

# AIR QUALITY DATA

from the National Air Sampling Networks  
and  
Contributing State and Local Networks

1966 Edition

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Public Health Service  
Consumer Protection and Environmental Health Service

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**1966 Edition**

**Air Quality and Emission Data Program**

**U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE**  
Public Health Service  
Consumer Protection and Environmental Health Service  
National Air Pollution Control Administration  
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## PREFACE

The Air Quality and Emission Data Program of the National Air Pollution Control Administration, with the assistance and cooperation of state and local agencies, carries on a variety of air sampling activities to obtain information about air quality in the United States. This report summarizes data on particulate and gaseous pollutants gathered during 1966 at the cooperating stations of the various National Air Surveillance Networks and similar data from independent state and local sampling networks that have contributed their results to the central air quality data bank operated by the Air Quality and Emission Data Program. The data on chemical components of the particulate matter in the air are generally for 1965, because of the necessary time lag in laboratory analysis, or for earlier years in cases in which previously gathered samples held in reserve have been retrospectively analyzed.

This publication is one of a series of annual reports designed to make air quality data available widely as soon as practicable. For this reason, thorough analysis and interpretation of the data are not attempted in these reports, but will be published periodically in separate reports.

## **ACKNOWLEDGMENTS**

The data reported in this publication could not have been gathered without the generous cooperation of the many state and local air pollution control agencies in the operation of the NASN sampling stations. The National Air Pollution Control Administration offers sincere thanks to these organizations and to their employees.

Gratitude is also due the agencies that have contributed their own data to the National Center's air quality data bank for use in this and other reports and studies. Their efforts make possible a greatly increased national knowledge of air quality.

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# AIR QUALITY DATA, 1966

## INTRODUCTION

Today's National Air Surveillance Networks have developed from the Public Health Service's first air pollution sampling effort. In 1953, the Public Health Service's Division of Sanitary Engineering Services in cooperation with various state and local agencies began sampling for suspended particulate matter with high-volume air samplers in 17 cities. By 1956, this sampling program had expanded to encompass 66 communities, and a national need and desire to have a larger, truly national air quality sampling effort had become apparent. As a result, in January, 1957, the National Air Sampling Network was established to routinely monitor suspended particulate levels in urban and nonurban America. The scope of sampling was expanded to some 185 urban and 48 nonurban stations, of which about 100 of the urban and all of the nonurban stations were scheduled to operate each year. Urban stations operating each year have been increased to about 150, and nonurban stations have been reduced to a representative group of 30.

Since 1957, network operations have expanded also in the number and types of pollutants measured. The constituent pollutants measured in high-volume samplers are listed in Tables 1 and 2. Techniques for sampling the respirable dust fraction are being developed. During 1959 and 1960, limited 24-hour bubbler sampling for the gases NO<sub>2</sub> and SO<sub>2</sub> began at a few stations. Operations are being expanded to sample for aldehydes, ammonia, and total oxidant, in addition to the original two gases, and the number of stations has increased to 50. The continuous Air Monitoring Project, begun in 1962, provides detailed information in gaseous pollutants in six cities where continuous instruments record levels of six pollutants (carbon monoxide, hydrocarbons, nitric oxide, nitrogen dioxide, oxidants, and sulfur dioxide) every 5 minutes.

In 1966, a 25-station lead peroxide candle network began routine operation to provide sulfation rate information and to permit comparative studies of this traditional, inexpensive SO<sub>x</sub> monitoring method.

With the reorganization of the Public Health Service on January 1, 1967, these network sampling operations collectively were designated the National Air Surveillance Networks and were incorporated in the Air Quality and Emission Data Program of the National Center for Air Pollution Control (NCAPC) in the Bureau of Disease Prevention and Environmental Control of the Public Health Service. In July 1968, the National Center was redesignated the National Air Pollution Control Administration (NAPCA) under the Consumer Protection and Environmental Health Service. Although the Air Quality and Emission Data

Program and other NAPCA programs conduct numerous special studies involving air sampling, the majority of the present DHEW air quality surveillance sampling is conducted by the four National Air Surveillance Networks: the suspended particulate, or "Hi-Vol", network; the gas sampling network; the Continuous Air Monitoring Program; and the lead candle network.

These four networks are operated in cooperation with appropriate state or local agencies. The Air Quality and Emission Data Program generally provides equipment, supplies, and laboratory analytical services, and the cooperating agency provides the sampling site and the manpower. In addition to assisting the DHEW sampling program, many state and local air pollution control agencies operate their own air quality monitoring networks.

# SUMMARY OF AIR QUALITY MEASUREMENTS

This report presents summaries and analyses in addition to basic data tabulations. This section includes national summaries of pollutant levels, and figures illustrating variations in the levels of gaseous pollutants.

## NATIONAL SUMMARIES

Table 1 summarizes data on suspended particulates and on SO<sub>2</sub> and NO<sub>2</sub>, the two gases routinely measured at the 24-hour bubbler stations. Data on ammonia sampling, introduced in 1966, are insufficient to warrant a network average, but ammonia sampling data for individual stations are summarized in Table 83. Table 1 reflects in several ways the recent expansion of analytical resources. The averages for several of the particulate components represent for the first time the analysis of samples from all of the cooperating NASN stations. Expanded laboratory capacity also has permitted for the first time the extensive analysis of nonurban samples and the analysis for benzo(a)pyrene, an organic carcinogen.

As explained later, nonurban samples for metals analysis are extracted differently from urban samples. This results in different sensitivities in the urban and nonurban measurements and makes the usual data summary unsatisfactory

**Table 1. SUMMARY OF DATA FROM NASN AND CONTRIBUTING STATE AND LOCAL NETWORKS**  
( $\mu\text{g}/\text{m}^3$  unless noted)

Pollutant	Urban			Nonurban		
	No. of stations	Arith. average	Max. station average	No. of stations	Arith. average	Max. station average
Suspended particulates (1966)	217	102	254	30	38	79
<u>Fractions:</u>						
Benzene sol. org. (1966)	106	6.9	17.1	31	2.4	5.0
Benzo(a)pyrene (1966)	106	2.79 <sup>a</sup>	11.20 <sup>a</sup>	31	0.35 <sup>a</sup>	1.45 <sup>a</sup>
Ammonium (1965)	132	0.6	4.3	29	0.1	0.5
Nitrates (1965)	132	2.9	13.5	29	1.3	2.5
Sulfates (1965)	132	10.7	28.8	29	5.6	12.6
Gross Beta radioactivity	110	0.26 pCi/m <sup>3</sup> (urban and nonurban combined)				
<u>Gases</u>						
Ammonia		(insufficient samples for representative average)				
Nitrogen dioxide <sup>b</sup> (1966)	47	141	333			
Sulfur dioxide <sup>c</sup> (1966)	45	62	346			

<sup>a</sup>Nanograms( $10^{-9}$ ) per cubic meter.

<sup>b</sup>To convert nitrogen dioxide concentrations to parts per million, multiply the  $\mu\text{g}/\text{m}^3$  value by  $5.31 \times 10^{-4}$ .

<sup>c</sup>To convert sulfur dioxide concentrations to parts per million, multiply the  $\mu\text{g}/\text{m}^3$  value by  $3.84 \times 10^{-4}$ .

Table 2. DISTRIBUTIONS OF 33 URBAN AND 29 NONURBAN STATIONS BY MAXIMUM QUARTERLY CONCENTRATIONS  
( $\mu\text{g}/\text{m}^3$ )

		Below minimum detectable	$\times 10^{-4}$			$\times 10^{-3}$			$\times 10^{-2}$			$\times 10^{-1}$			x 1		
			1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	2 to 5	5 to 10	1 to 2	1 to 5	
Antimony	Urban	33										*					
	Nonurban	27															
Beryllium	Urban	29				* 4											
	Nonurban	29	*														
Bismuth	Urban	31				*	2										
	Nonurban	27		*	1	1											
Cadmium	Urban	20							* 8	3	1	1					
	Nonurban	18							5	2	2	1					
Chromium	Urban	21							* 5	6	1						
	Nonurban	6							* 17	3	3						
Cobalt	Urban	33							*								
	Nonurban	29	*														
Copper	Urban								* 2	6	12	9	2	1	1		
	Nonurban								*	1	10	10	2	2	3	1	
Iron	Urban								*				*		9	13	11
	Nonurban												2	20	7		
Lead	Urban											*	3	7	15	7	1
	Nonurban	7							* 4	6	9	2					
Manganese	Urban								*	11	13	6	3				
	Nonurban								* 6	13	5	2					
Molybdenum	Urban	28				*				5							
	Nonurban	8		*	10	7	3	1									
Nickel	Urban	5							* 4	10	12	2					
	Nonurban	3				*	4	14	4	4							
Tin	Urban	22							*	9	2						
	Nonurban	25				*	2	1	1								
Titanium	Urban	3		*		*				6	17	7					
	Nonurban								2	13	8	6					
Vanadium	Urban	12							* 5	7	2	1	2	4			
	Nonurban					*	4	11	3	6	3	2					
Zinc	Urban	20											*	4	7		2
	Nonurban	17											*	4	3		

\*indicates average lower limit of detectability with present methods (See Table 3).

for contrasting urban and nonurban levels. Metals data in Table 2 are based on the highest quarterly composite concentrations, in 14 concentration ranges, from each station. Table 3 shows the urban and nonurban average thresholds of detectability for each metal. The number of stations with no detectable quarterly composite concentrations is shown in Table 2.

**Table 3. MINIMUM METALS CONCENTRATIONS DETECTABLE BY EMISSION SPECTROGRAPH**  
(mg/m<sup>3</sup>)

Metal	Urban	Nonurban
Antimony	0.040	0.006
Beryllium	0.0008	0.00016
Bismuth	0.0011	0.0002
Cadmium	0.011	0.004
Chromium	0.0064	0.002
Cobalt	0.0064	0.0002
Copper	0.01	0.0015
Iron	0.084	0.006
Lead	0.04	0.01
Manganese	0.011	0.0060
Molybdenum	0.0028	0.0005
Nickel	0.0064	0.0016
Tin	0.006	0.0018
Titanium	0.0024	0.00048
Vanadium	0.0032	0.00048
Zinc	0.24	0.08

#### CAMP DATA ON GASEOUS POLLUTANTS

This publication, including much more detailed CAMP data than has been presented previously, reflects a shift away from the extensive separate publication of CAMP data. Tabulations of hourly average CAMP data for 1966 are available separately, and interpretive discussion of the data will be separately published periodically.

Since the six CAMP stations in operation are too few to represent a national average, CAMP data are not included in Table 1. Annual averages for the individual CAMP stations for 1962 through 1966 are summarized in Table 4.



Since the formation of photochemical oxidant is so directly dependent on sunlight, averages that include levels during nighttime hours may appear deceptively low. For this reason, Table 5 lists for each city the number of days in which at least one hourly average total oxidant concentration exceeded 0.05, 0.10, and 0.15 ppm. This summary gives some indication of the frequency of photochemical smog. Total oxidant data are not reported for 1962 and 1963 because of a sulfur dioxide interference in the detection system in use during those years. Previously published summaries of 1964 and 1965 oxidant data are slightly different from the summaries in Table 5 because the summaries in this table exclude any maximum hourly concentration not occurring between 11:00 a.m. and 5:00 p.m. and consider instead the highest hourly value occurring between those times. Maxima occurring outside this 6-hour period probably represent not photochemical pollution, but isolated industrial emissions of oxidizing chemicals or the oxidizing potential of nitrogen dioxide.

**Table 5. DAYS WITH MAXIMUM HOURLY OXIDANT CONCENTRATIONS EQUAL TO OR GREATER THAN SPECIFIED CONCENTRATIONS**

City	Year	Days of valid data	0.15 ppm		0.10 ppm		0.05 ppm	
			No.	%	No.	%	No.	%
Chicago	64	259	0	0.0	6	2.3	116	45
	65	275	0	0.0	3	1.1	95	35
	66	235	3	1.3	6	2.6	43	18
Cincinnati	64	304	3	1.0	30	9.9	112	37
	65	311	4	1.3	14	4.5	152	49
	66	208	0	0.0	0	0.0	50	24
Denver	65	283	6	2.1	22	7.8	193	68
	66	298	4	1.3	23	7.7	174	58
Philadelphia	64	293	6	2.0	30	10.2	103	35
	65	261	3	1.1	16	6.1	66	25
	66	315	6	1.9	35	11.1	115	37
St. Louis	64	254	0	0.0	16	6.3	121	48
	65	328	4	1.2	16	4.9	147	45
	66	292	2	0.7	25	8.6	151	52
Washington	64	292	2	0.7	23	7.9	123	42
	65	281	2	0.7	22	7.8	112	40
	66	325	0	0.0	23	7.1	112	34

Figures 1 through 6 present diurnal variation patterns by season for each of the six CAMP stations. Figures 7 through 12 present annual frequency distributions of the 5-minute CAMP data.

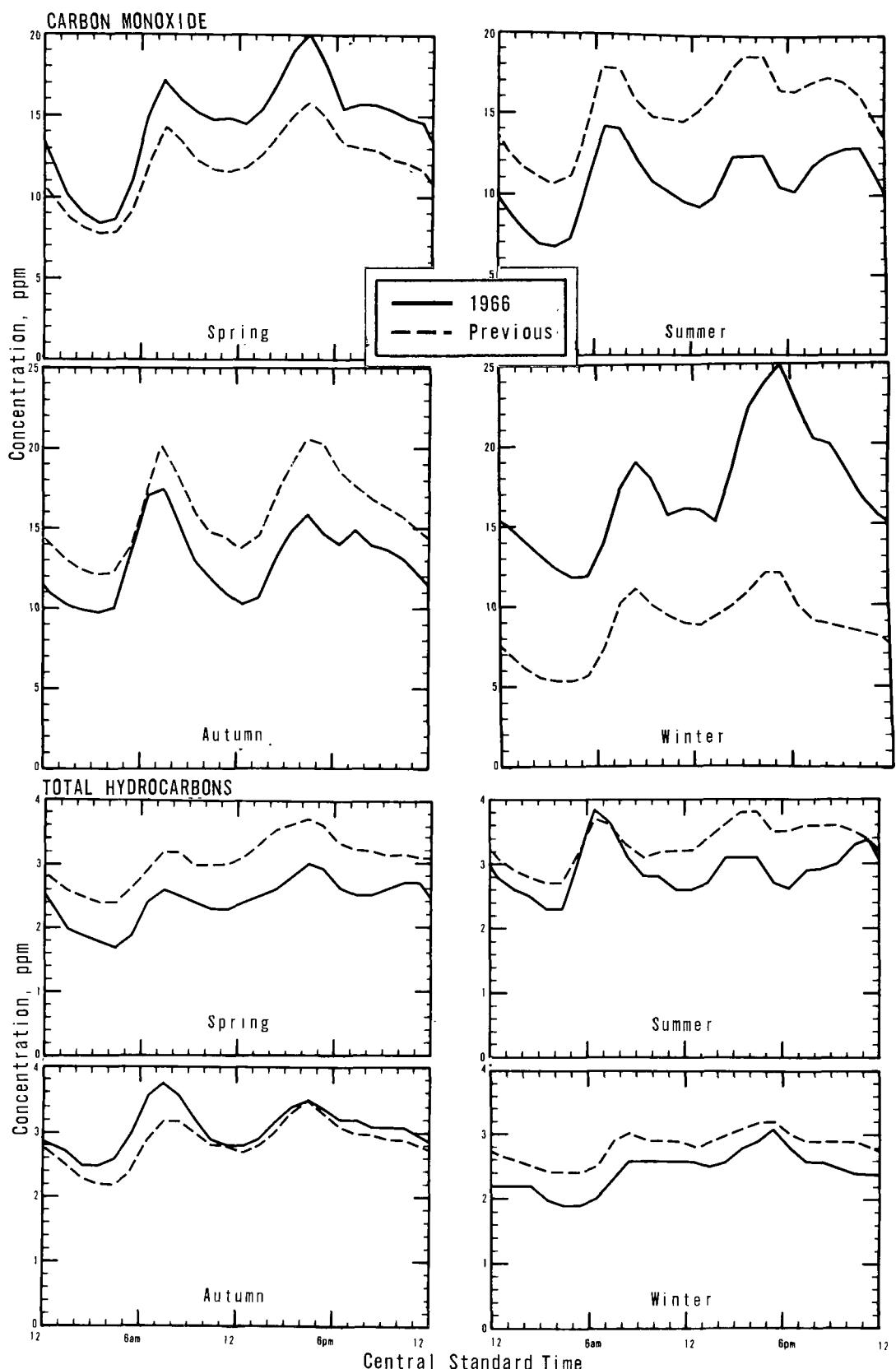
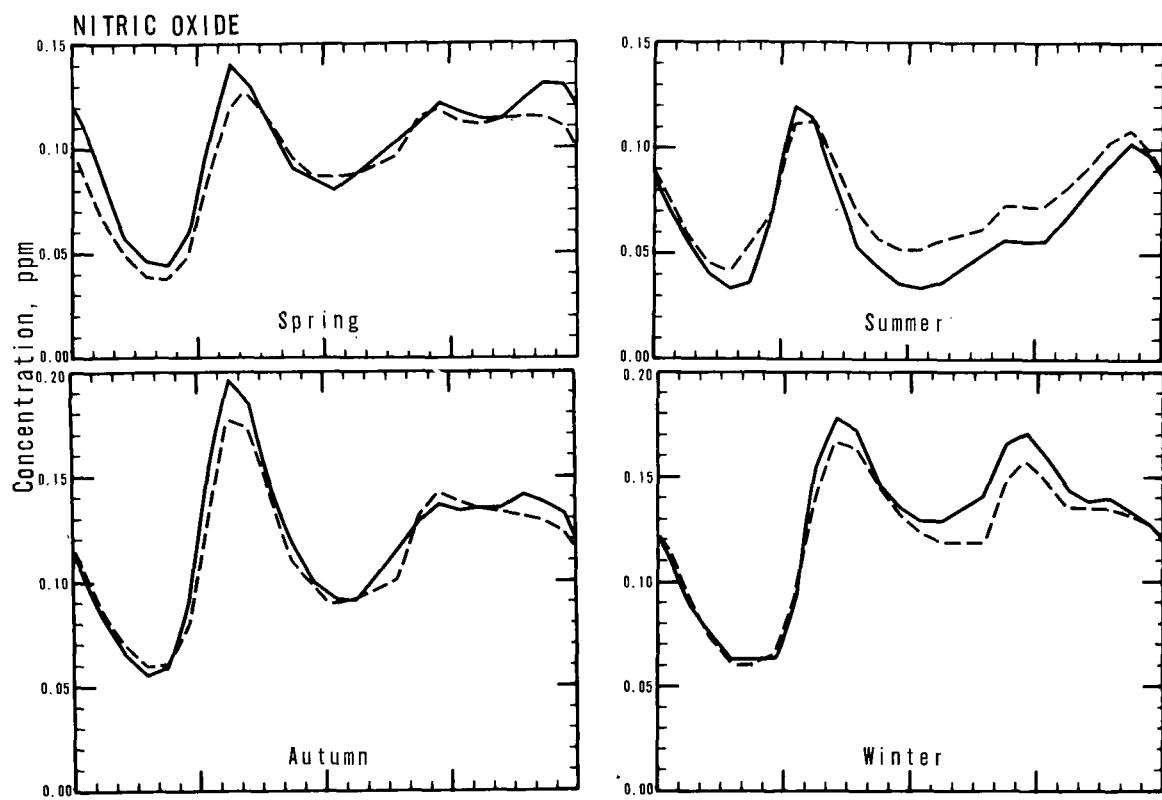
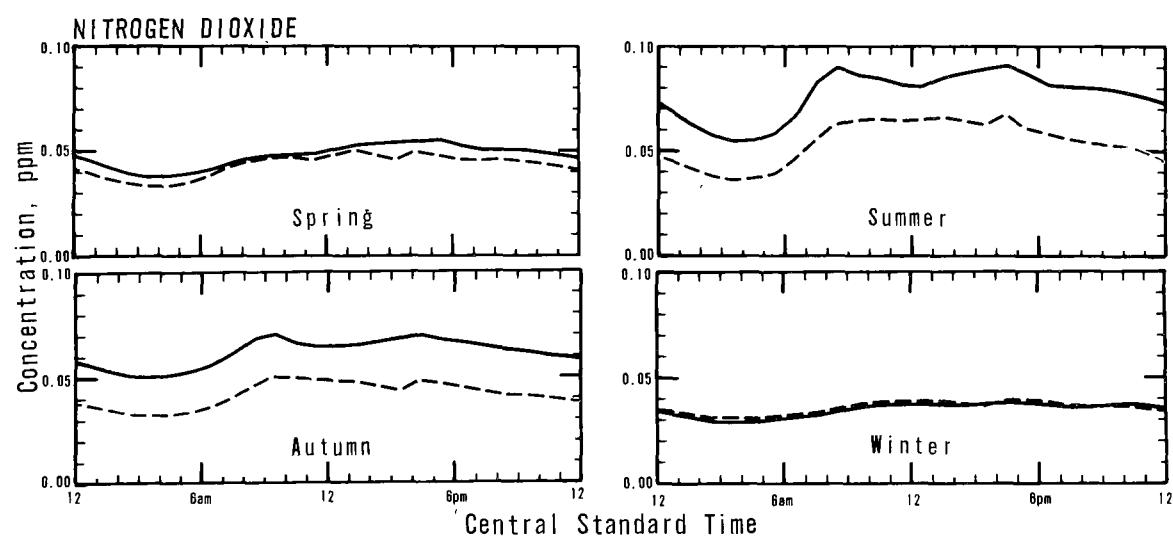


Figure 1. Seasonal diurnal variation patterns, Chicago.



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**Figure 1 (continued). Seasonal diurnal variation patterns, Chicago.**

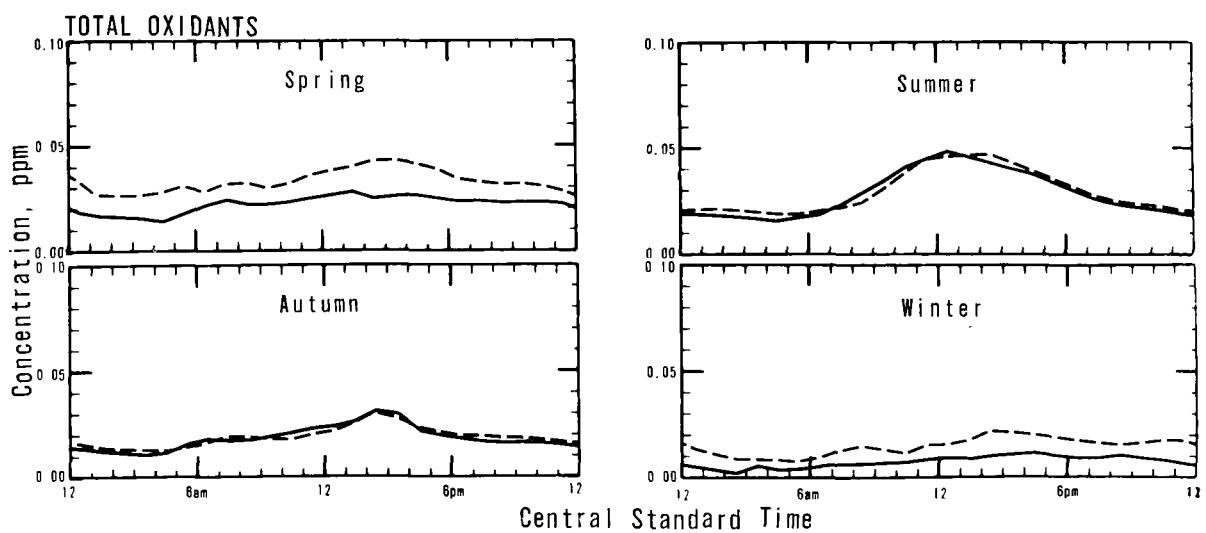
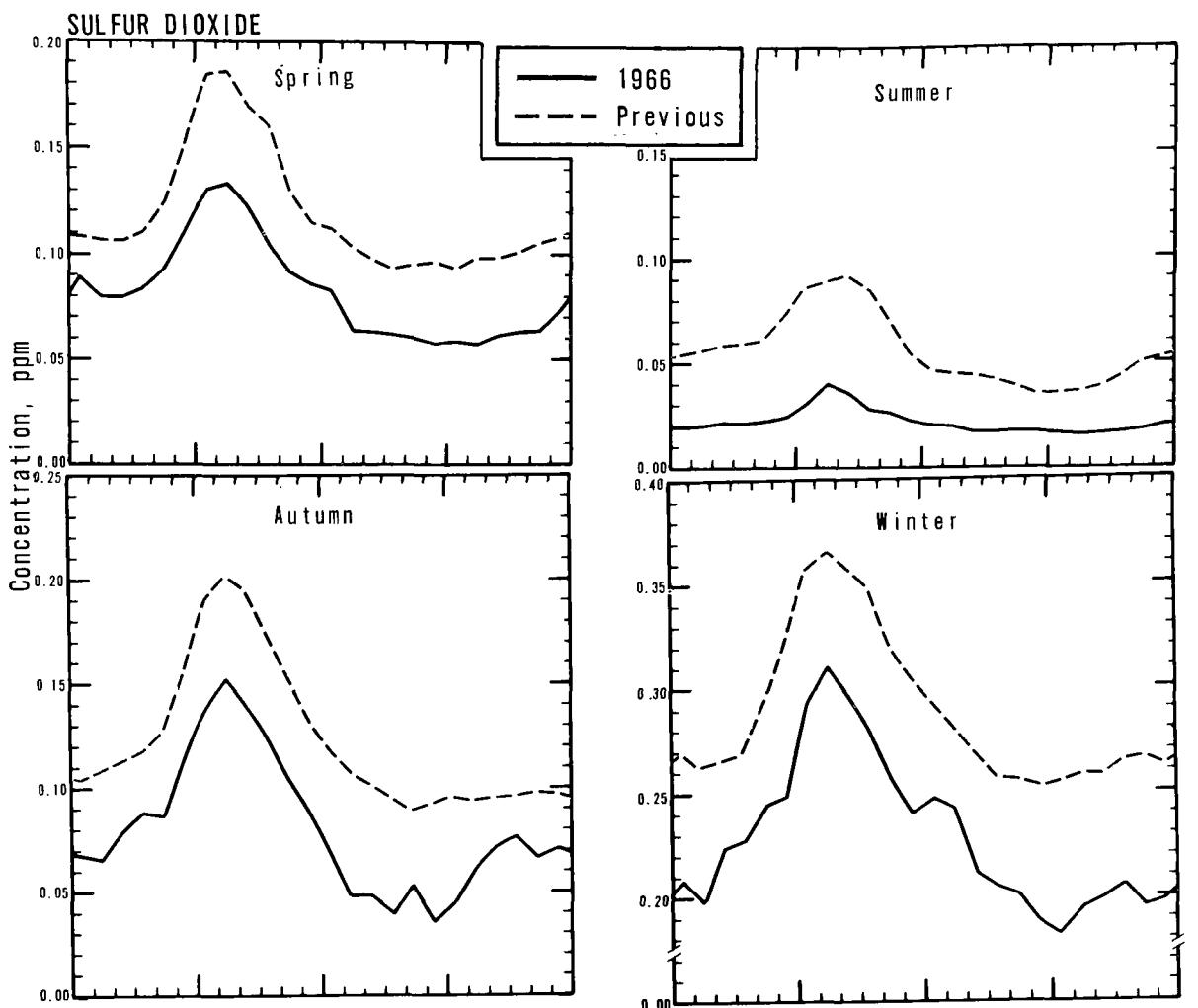


Figure 1 (continued). Seasonal diurnal variation patterns, Chicago.

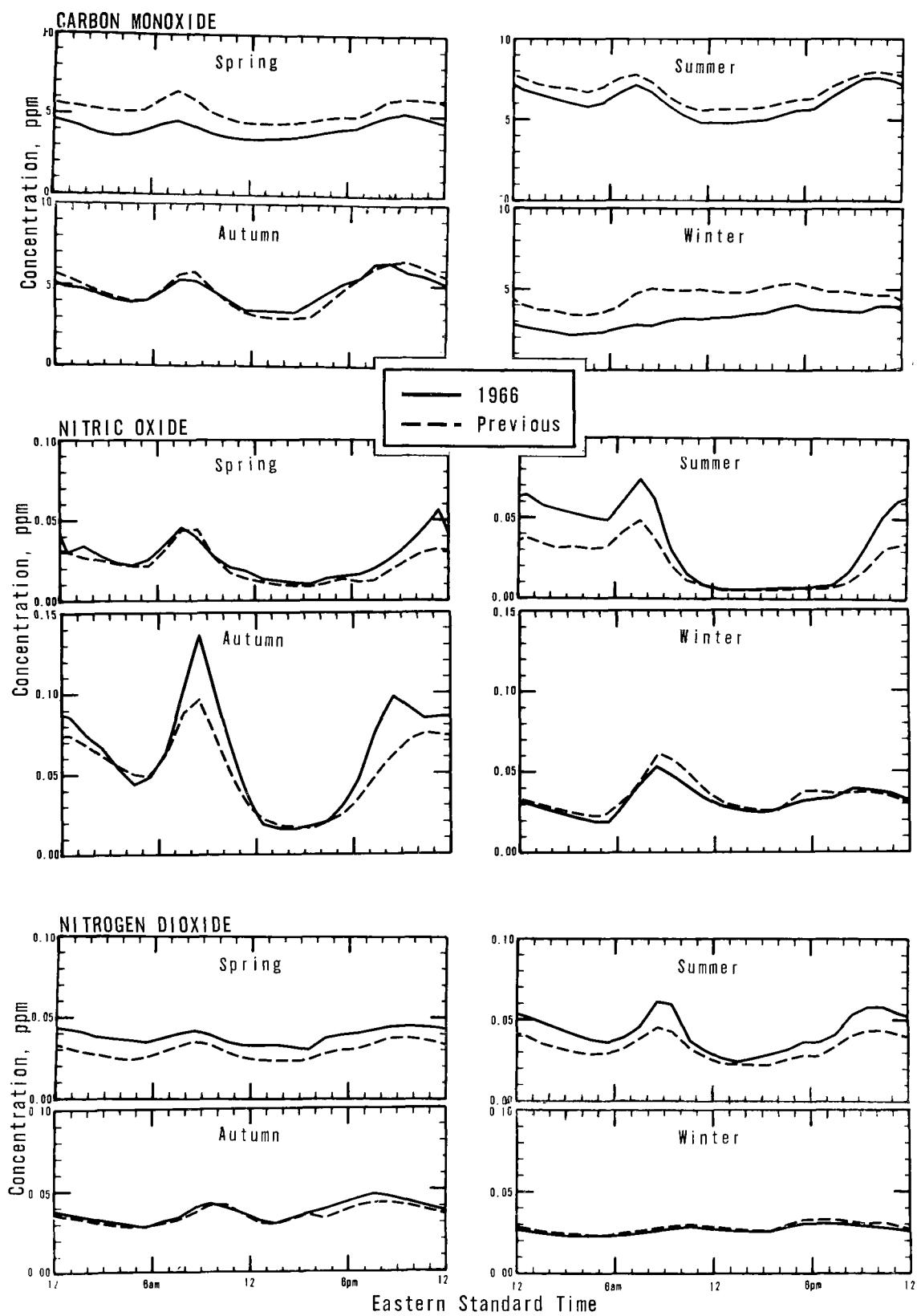


Figure 2. Seasonal diurnal variation patterns, Cincinnati.

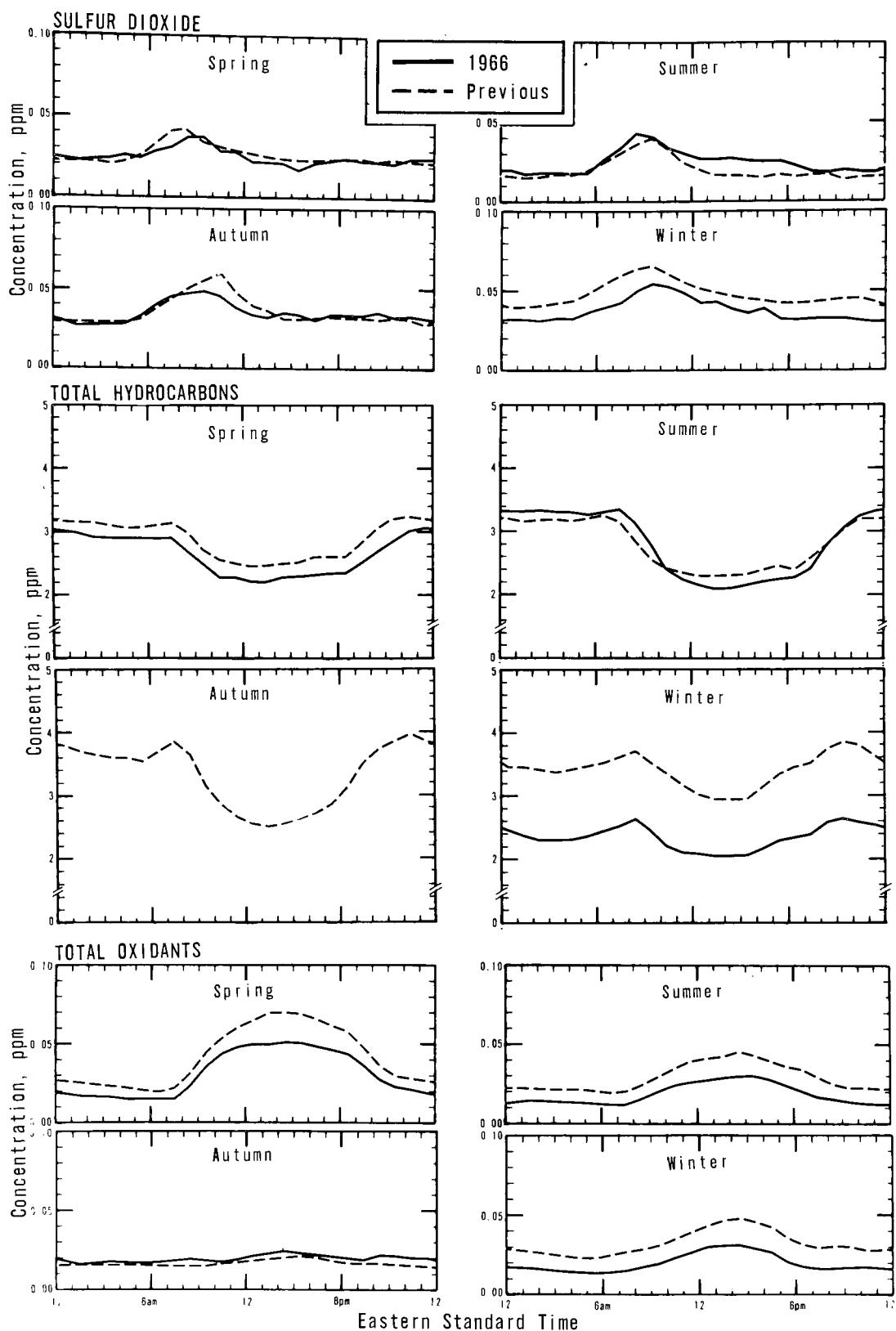
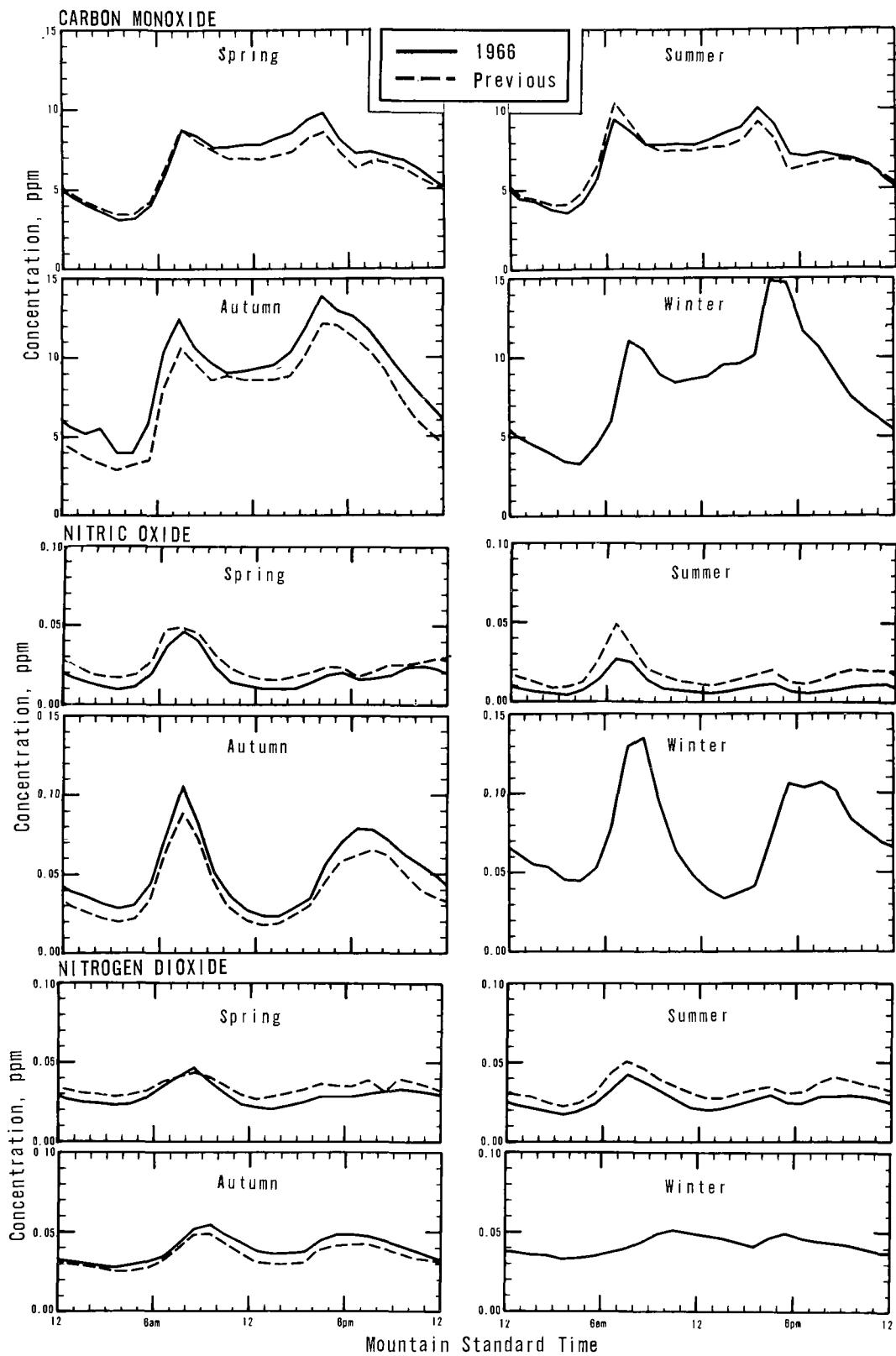


Figure 2 (continued). Seasonal diurnal variation patterns, Cincinnati.



**Figure 3. Seasonal diurnal variation patterns, Denver.**

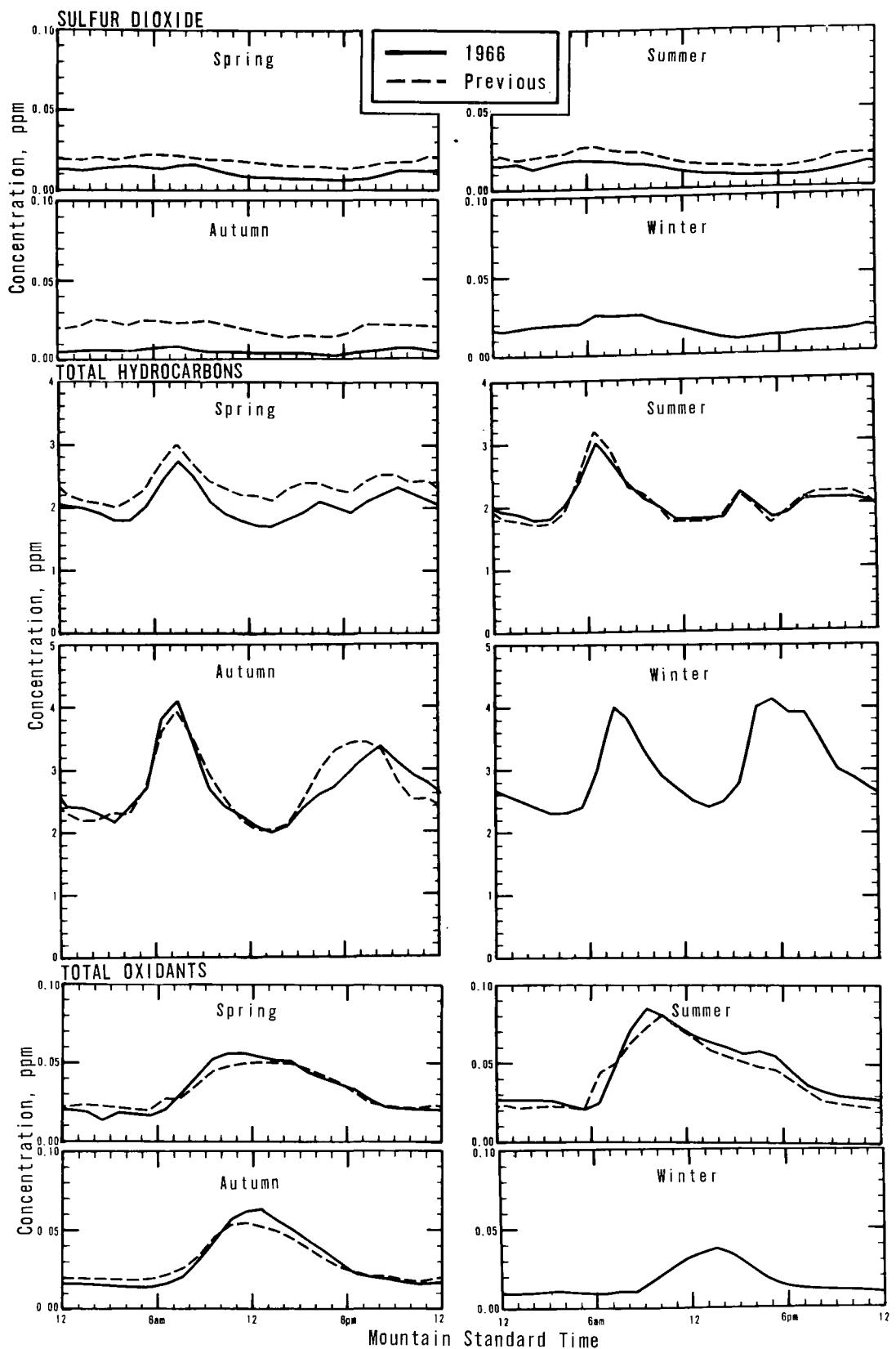
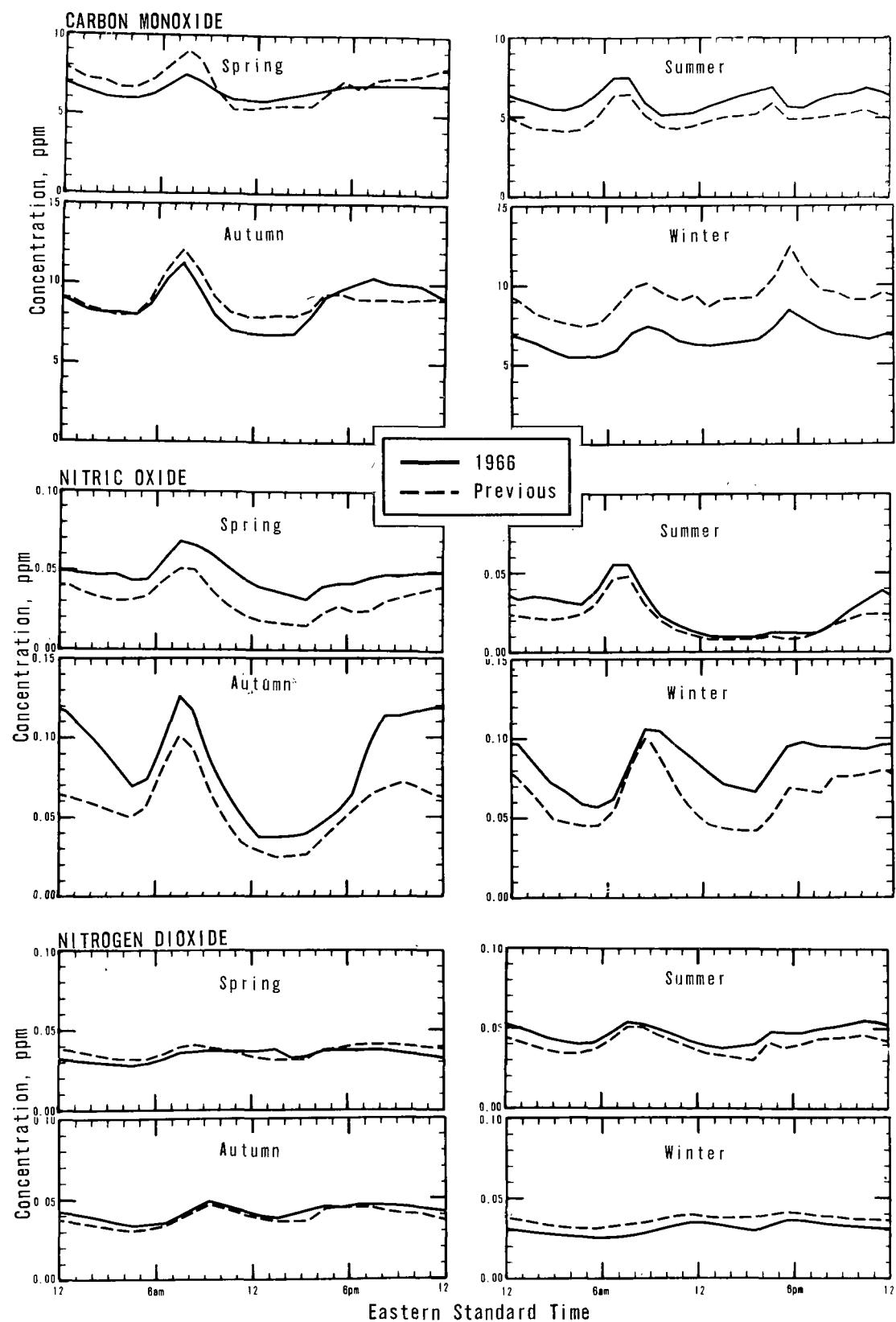


Figure 3 (continued). Seasonal diurnal variation patterns, Denver.



**Figure 4. Seasonal diurnal variation patterns, Philadelphia.**

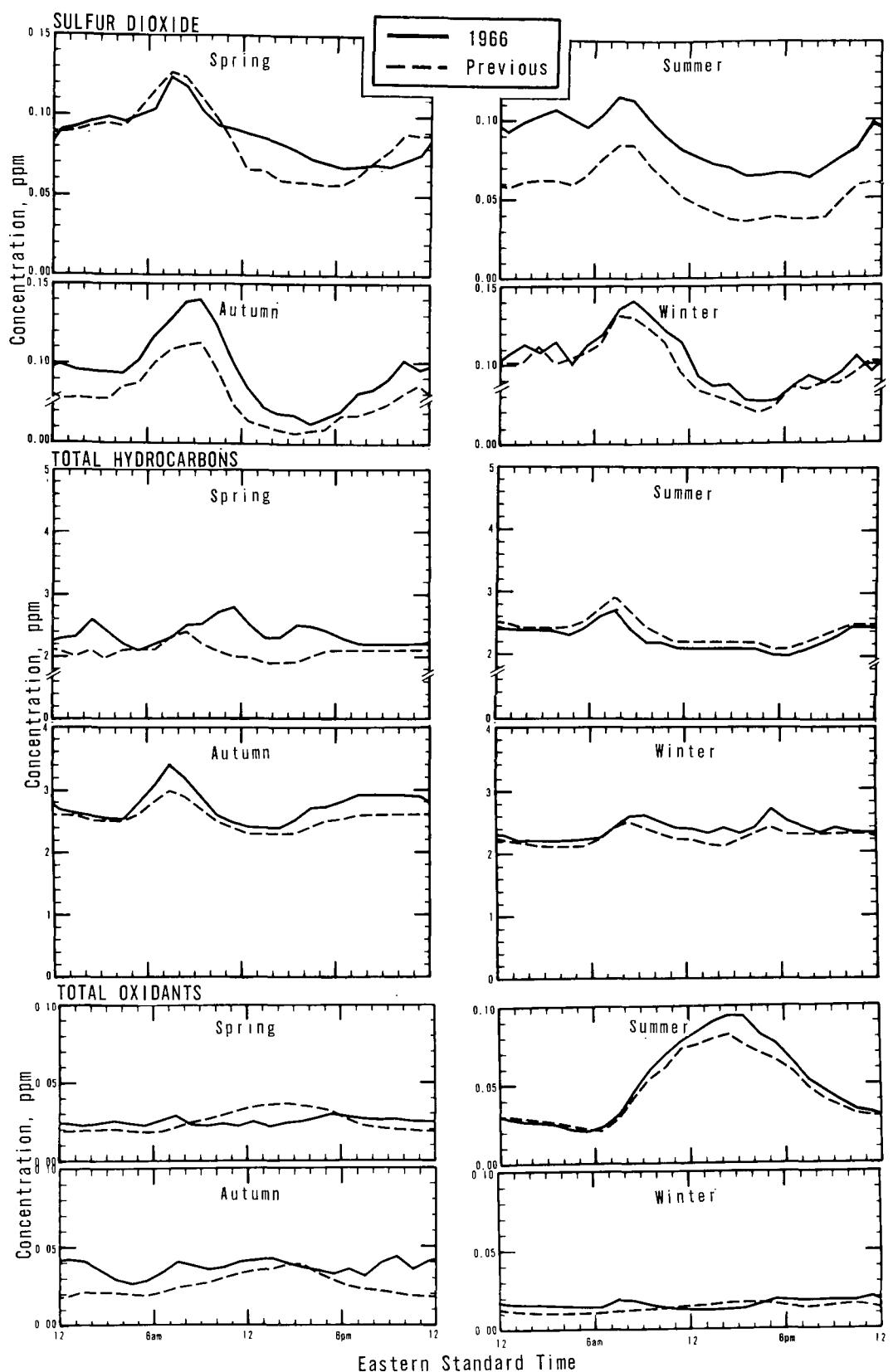


Figure 4 (continued). Seasonal diurnal variation patterns, Philadelphia.

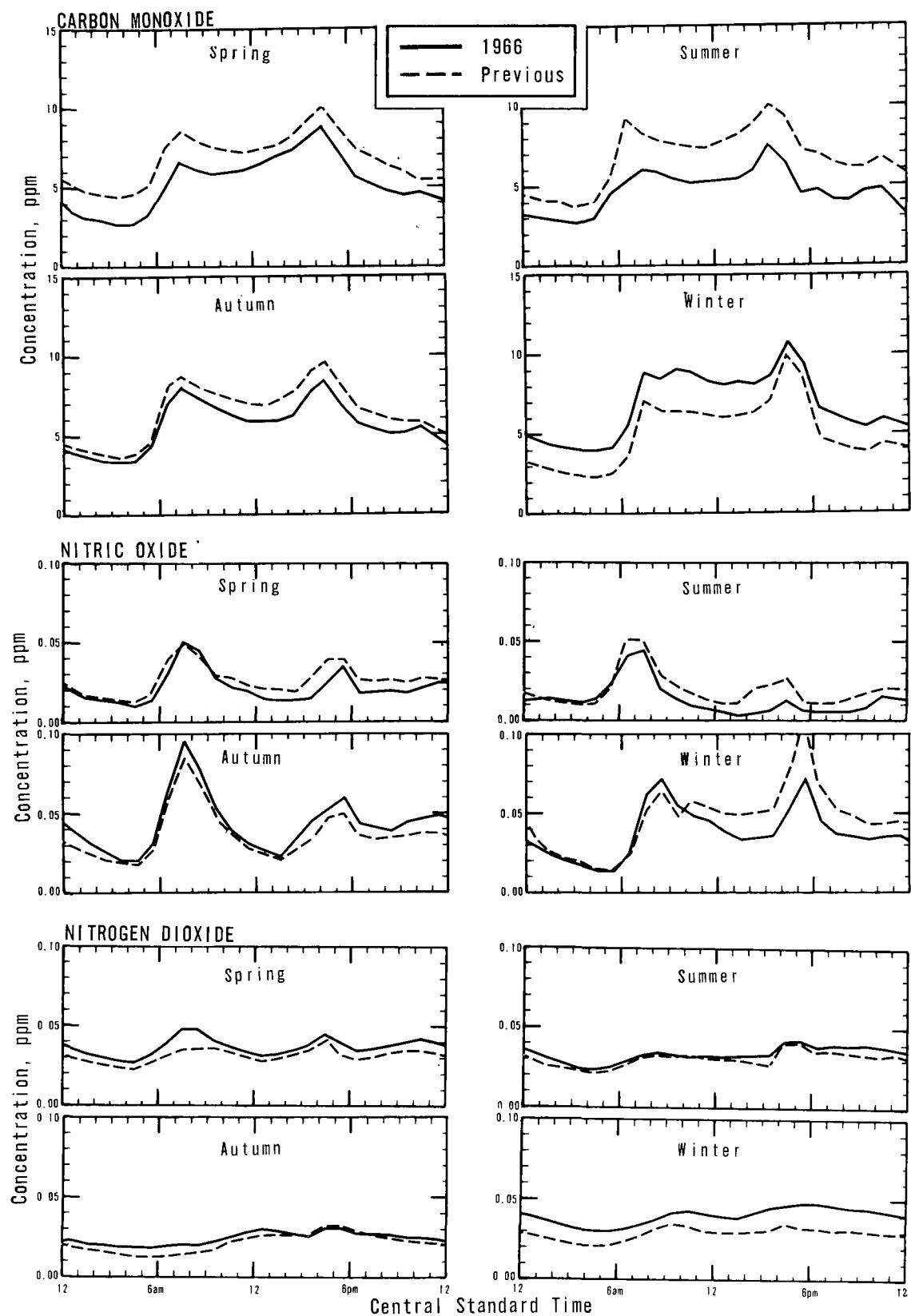


Figure 5. Seasonal diurnal variation patterns, St. Louis.

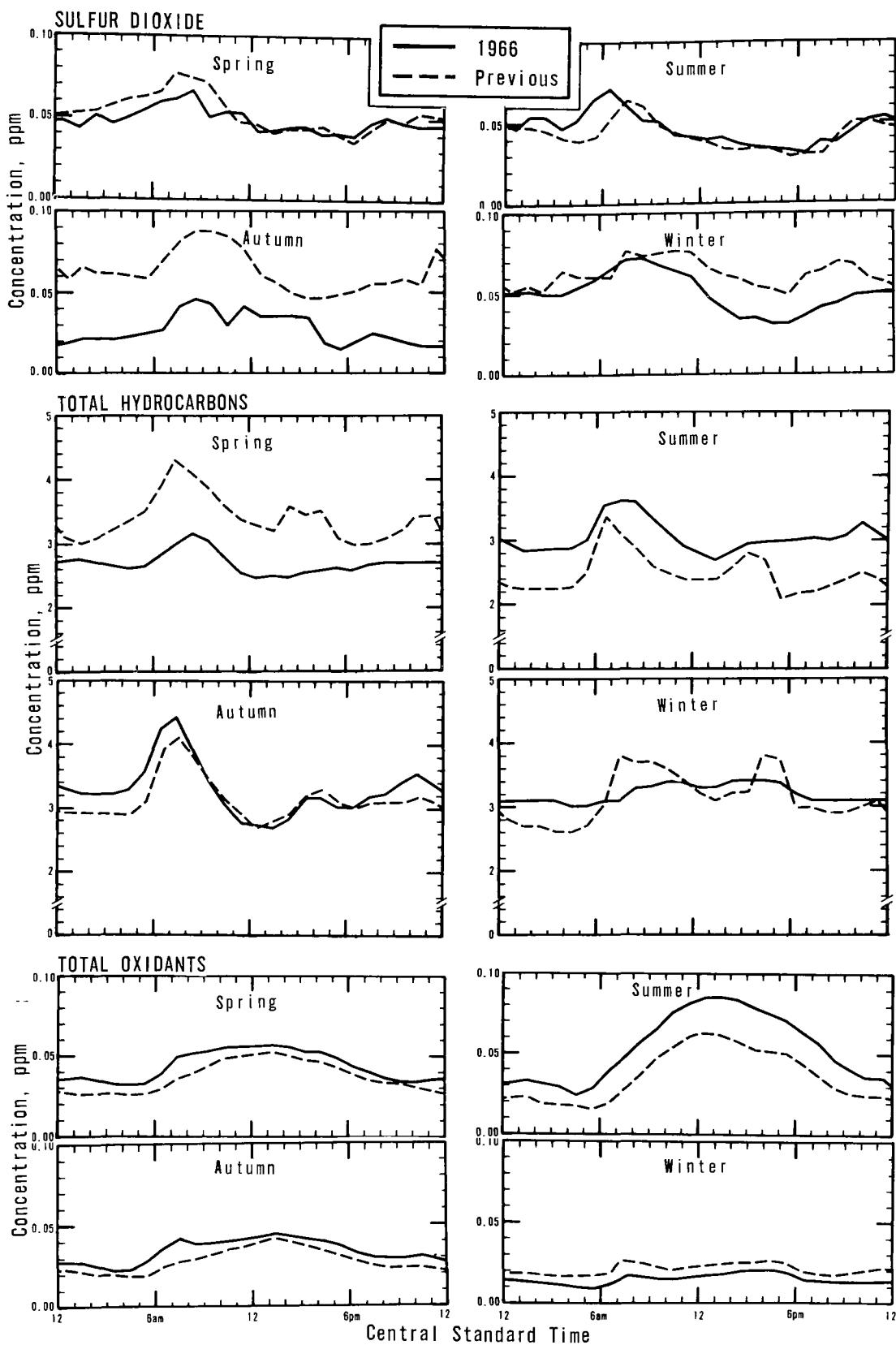


Figure 5 (continued). Seasonal diurnal variation patterns, St. Louis.

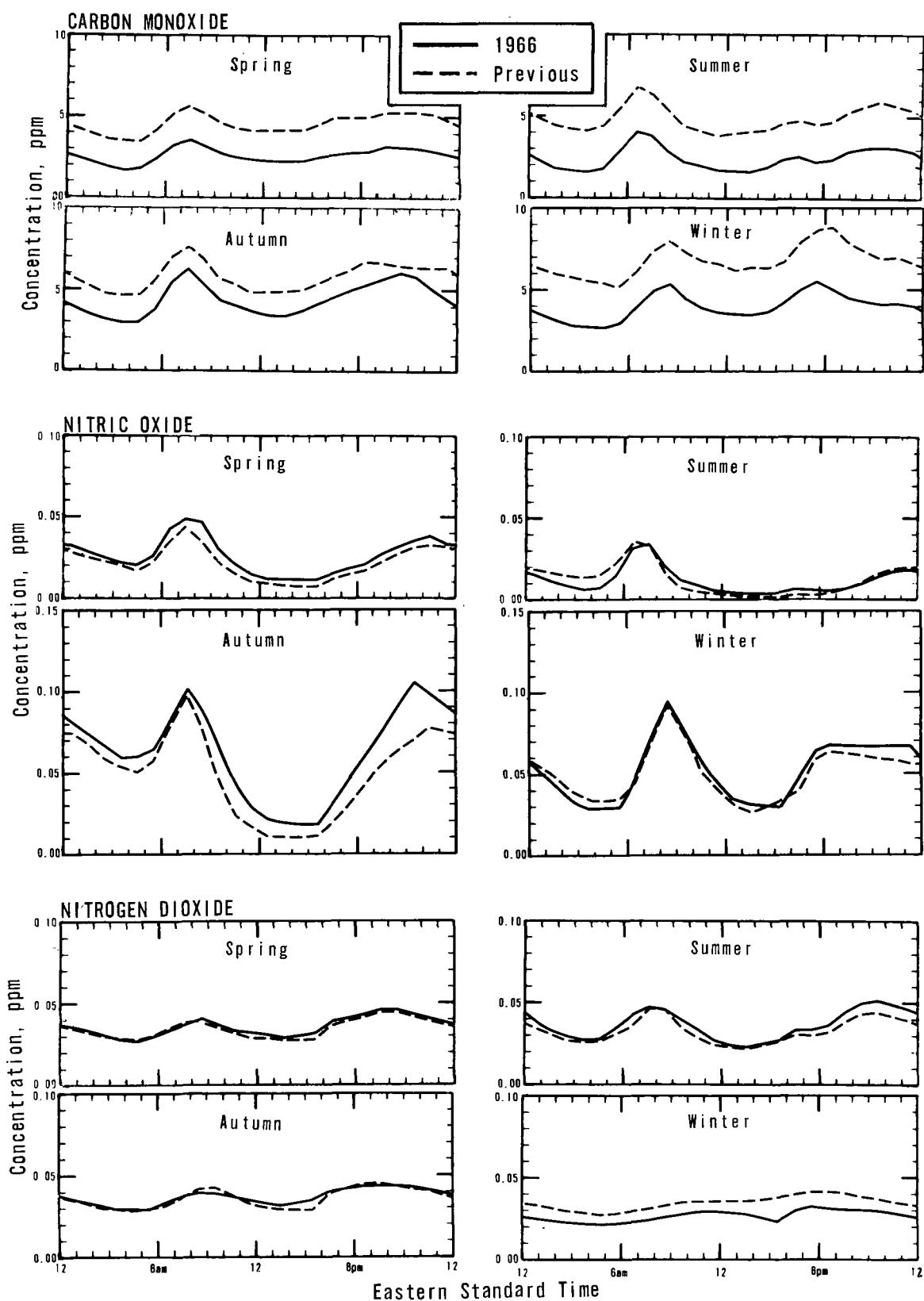


Figure 6. Seasonal diurnal variation patterns, Washington, D. C.

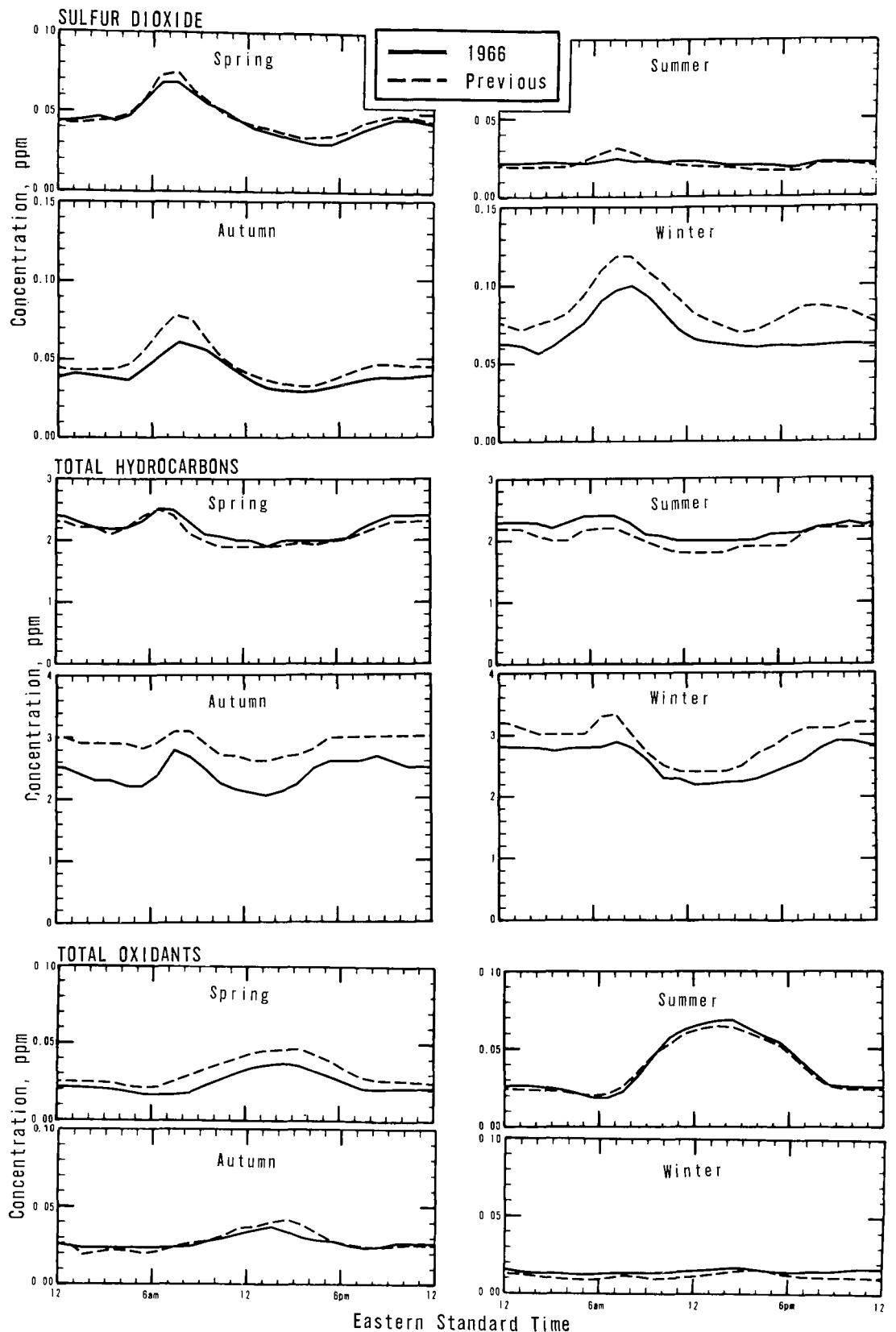
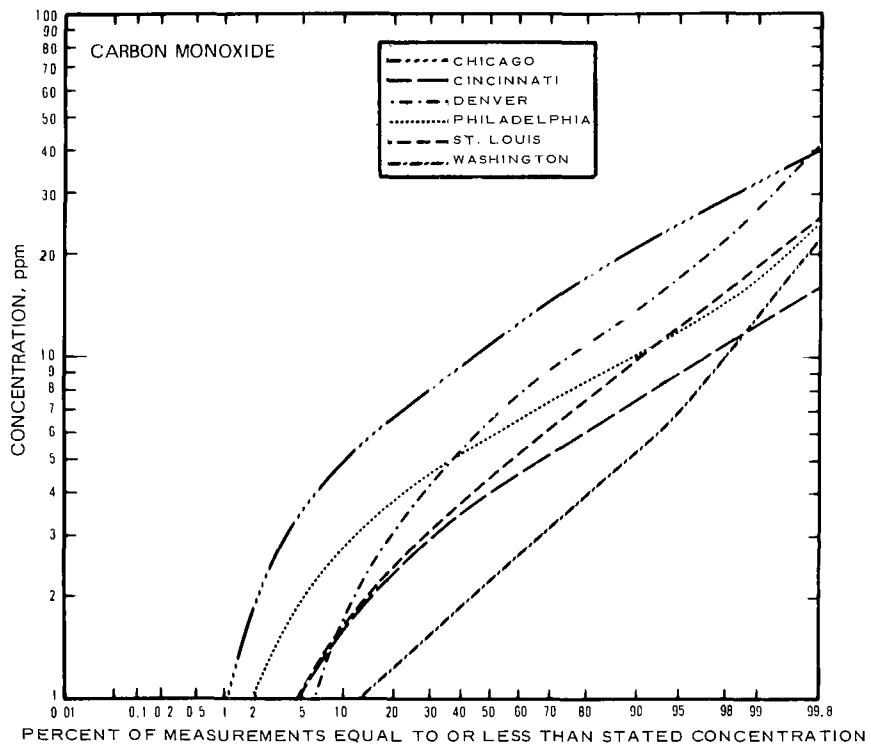
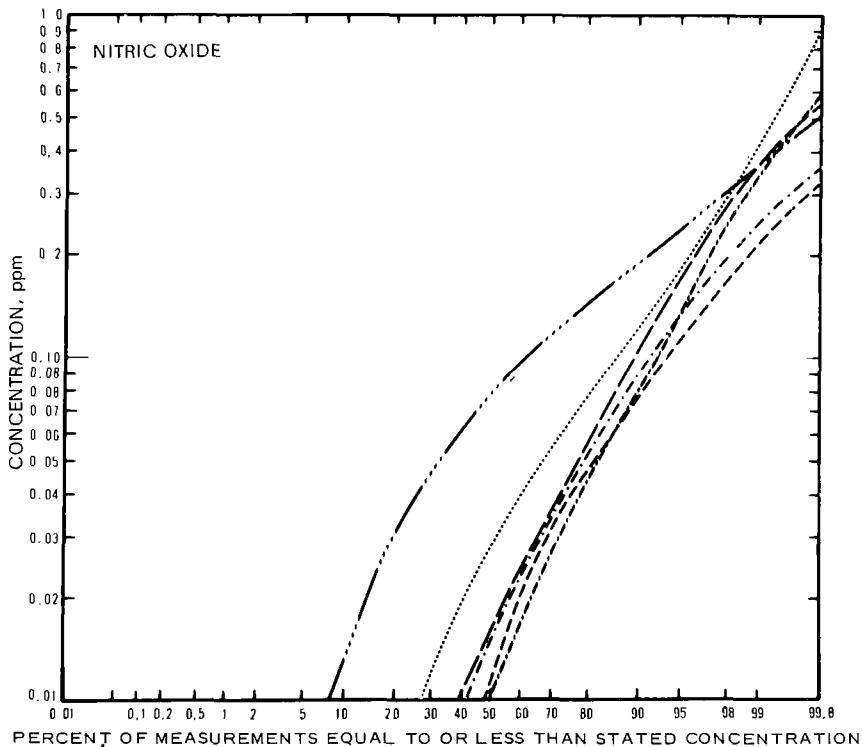


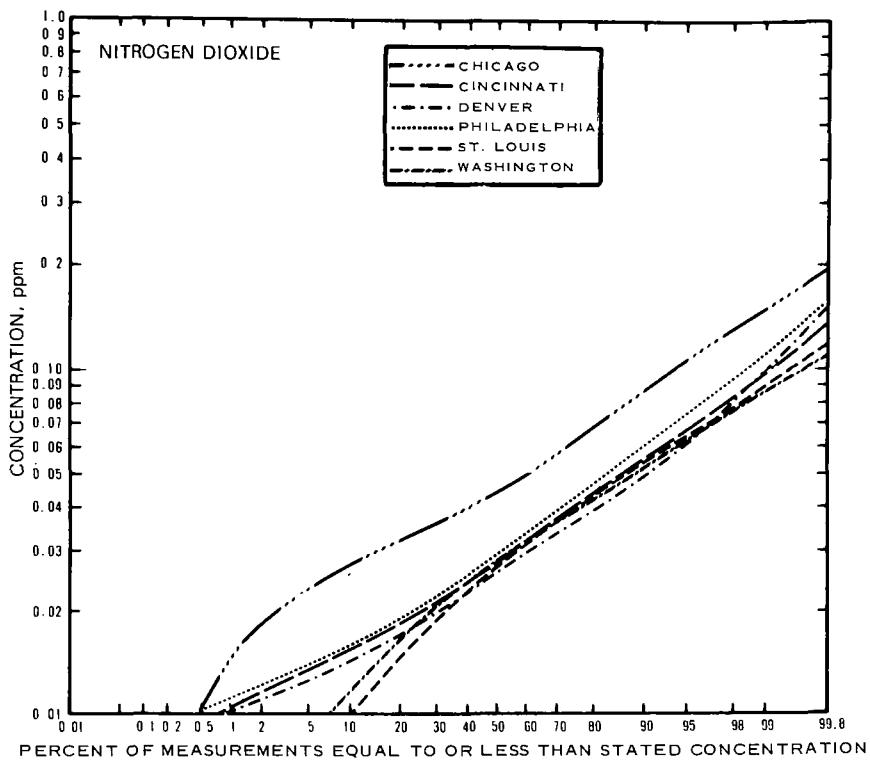
Figure 6 (continued). Seasonal diurnal variation patterns, Washington, D.C.



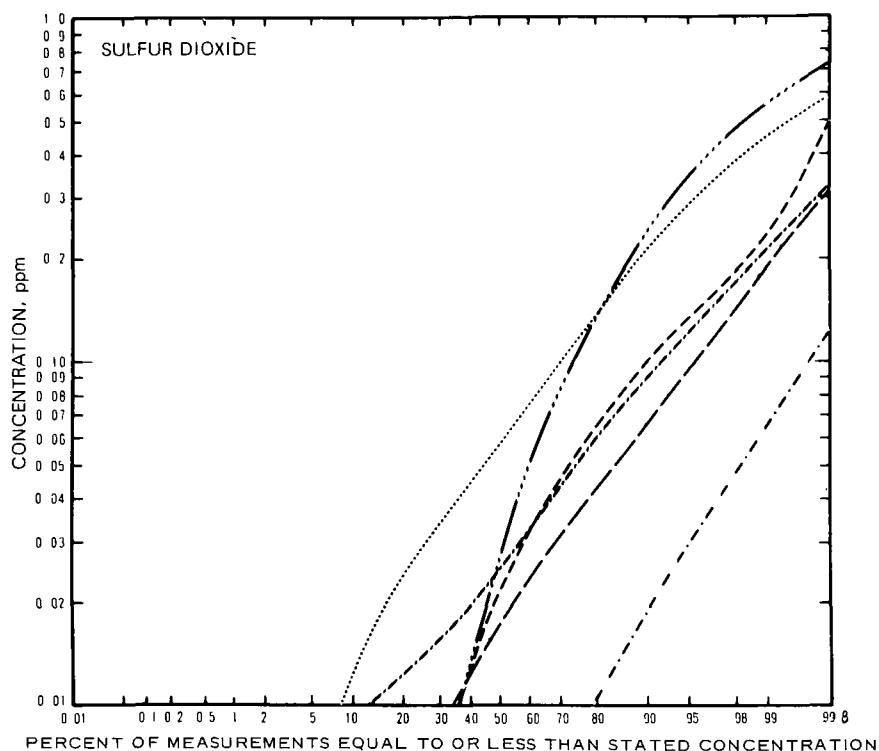
**Figure 7. Frequency distribution of carbon monoxide data (CAMP), 1966  
(5-minute values).**



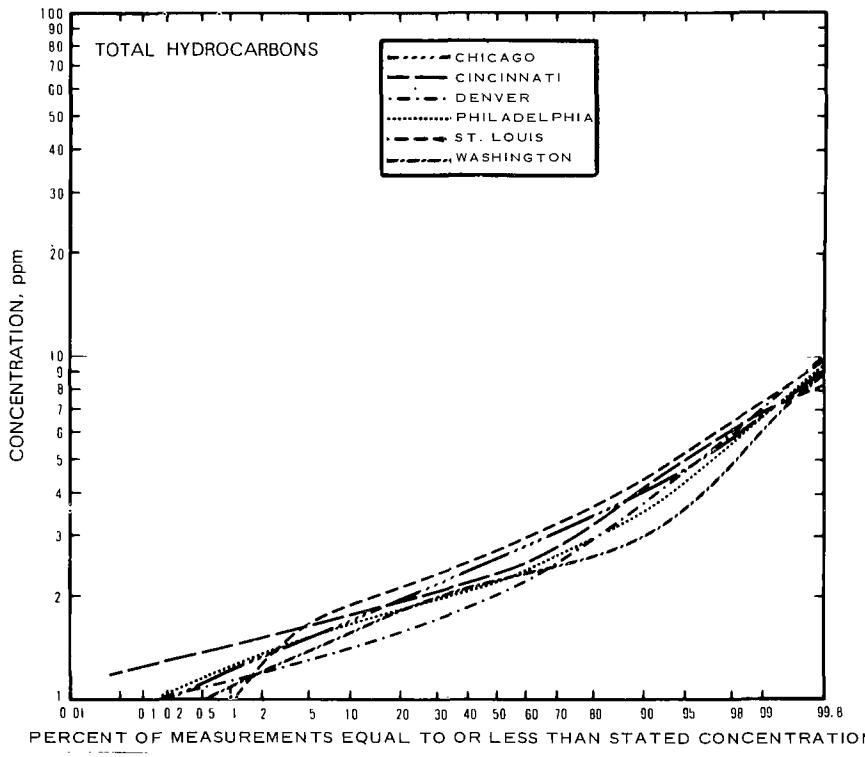
**Figure 8. Frequency distribution of nitric oxide data (CAMP), 1966  
(5-minute values).**



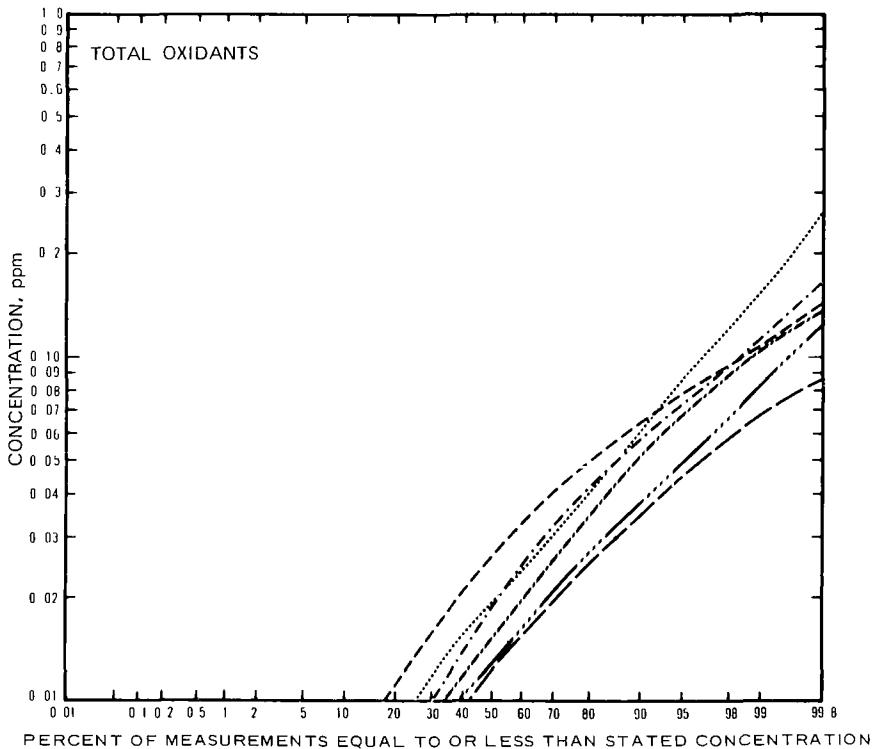
**Figure 9. Frequency distribution of nitrogen dioxide data (CAMP), 1966 (5-minute values).**



**Figure 10. Frequency distribution of sulfur dioxide data (CAMP), 1966 (5-minute values).**



**Figure 11. Frequency distribution of total hydrocarbons data (CAMP), 1966  
(5-minute values).**



**Figure 12. Frequency distribution of total oxidants data (CAMP), 1966  
(5-minute values).**

## EMISSION INVENTORY OF SULFUR DIOXIDE

Figure 13, based on published data for 1962 through 1966, shows estimated emissions of sulfur dioxide (in tons per square mile per year) for 69 Standard Metropolitan Statistical Areas (SMSA).

The total emissions were arrived at by inventory of emissions throughout the SMSA or by estimate from the consumption of sulfur-bearing fuels in the area.

Almost all of the SMSA's in the higher density categories are located east of the Mississippi River and within a belt that stretches diagonally across the country. Much of the nation's industrial activity is concentrated in this region, where coal and fuel oils are the main sources of energy.

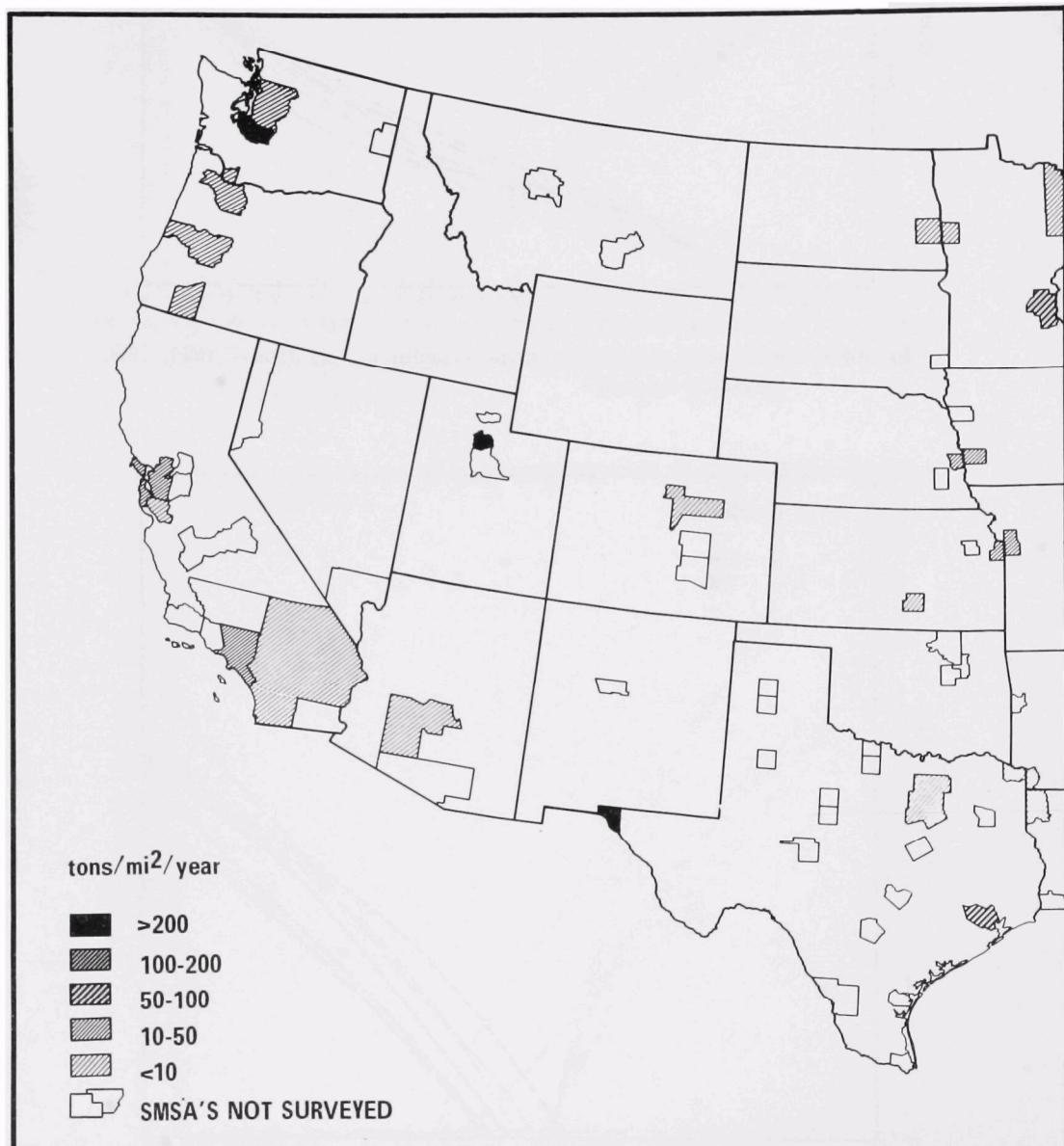
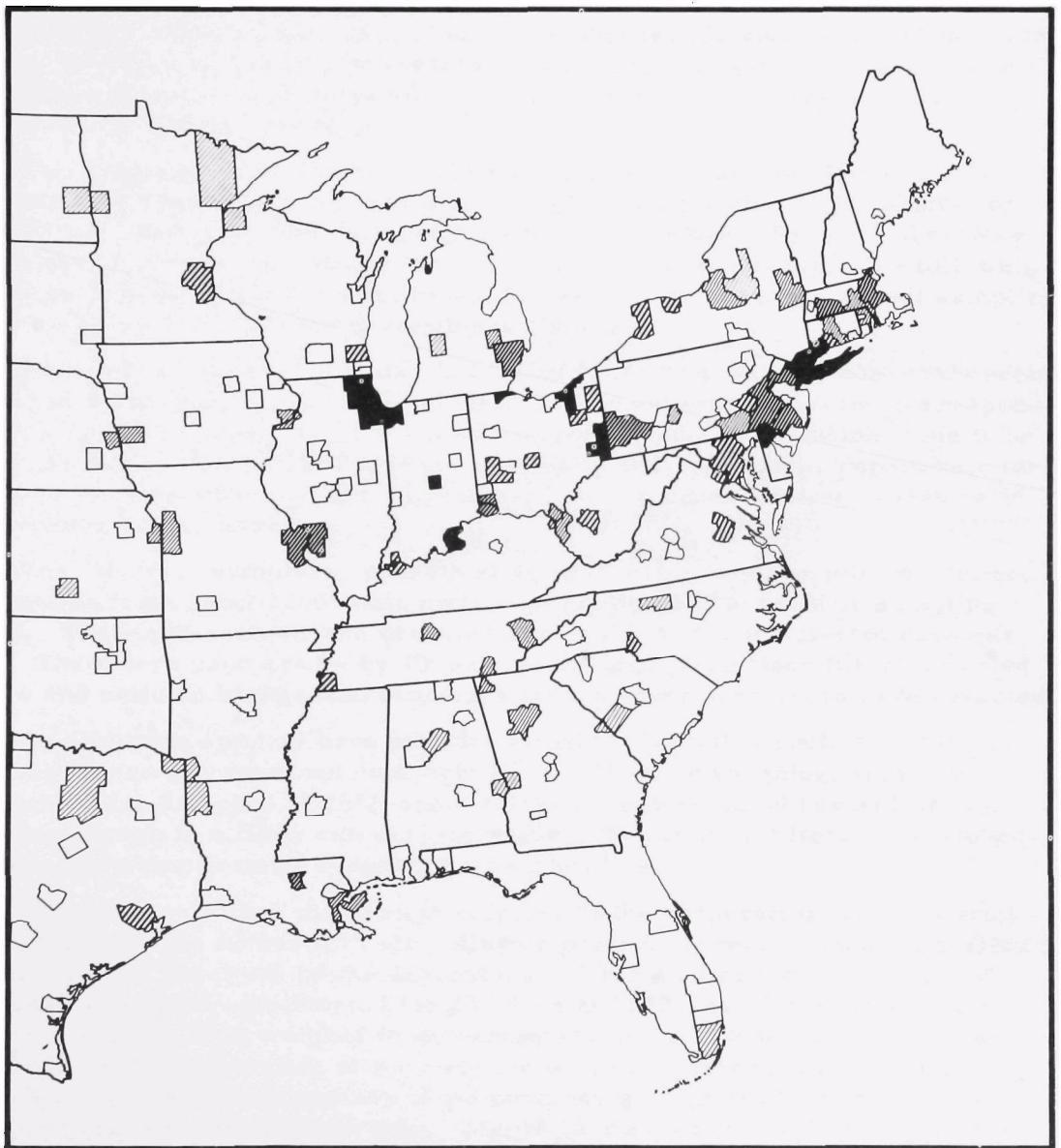


Figure 13. Estimated emissions of SO<sub>2</sub> in Standard Metropolitan Statistical Areas.



## DATA TABLES

### SUSPENDED PARTICULATES

Tables 6 through 9 present 1966 data on the concentration of suspended particulate matter in the air. Data from urban sampling stations are presented as frequency distributions, by state in Table 6 and by individual stations in Table 7. Table 8 presents frequency distributions of suspended particulate data from nonurban stations, and Table 9 presents abbreviated summaries of data from stations for which a representative year's data were not available. The stations indicated by asterisks are operated by state or local agencies that contribute to the central air quality data bank.

The weight (or mass) of particulate matter per volume of air usually is determined by drawing air through a pre-weighed filter with a high-volume, or "Hi-Vol", air sampler, and then weighing the soiled filter. Precise laboratory procedures, however, may differ from one laboratory to another. The following procedure is used by the Air Quality and Emission Data Program for all sampling conducted by the National Air Surveillance Networks.

Each city's "Hi-Vol" sampler is located in the central business-commercial district at a site that is, as nearly as practical, comparable with the corresponding sites in other cities. In such a location, measured concentrations tend to be among the higher concentrations found in the city and, therefore, cannot be interpreted as the city-wide average. Contrasts between cities are considered valid on a relative scale, however.

The "Hi-Vol" samplers, operate at 40 to 60 cubic feet per minute, collect particulates from about 2200 cubic meters of air during the 24-hour sampling period. The NASN stations are operated during 26 randomly selected days per year. The filters used are 8- by 10-inch flash-fired glass fiber filters selected for low and uniform background concentrations of those substances to be detected.

To eliminate any that have pinholes or other flaws that could affect air flow, the filters are screened on a light table. Prior to weighing, they are equilibrated for 24 hours at 75°F and a relative humidity of 50 percent or less. Since any crease in a filter can seriously affect the airflow, filters are weighed with a balance that permits weighing without bending.

The filters are then distributed unfolded to the cooperating local agencies. After sampling, the filters with the collected particulate matter inside are folded in half and are returned to the laboratory. After a filter with the collected particulates is again equilibrated for 24 hours at 75°F and 50 percent or less relative humidity, it is weighed to determine the amount of particulate matter collected. The equilibration at low relative humidity prior to this weighing is of crucial importance, since many of the compounds collected (ammonium sulfate in particular) are quite hygroscopic. Figure 14 shows the effect of humidity on the measured weights of soiled filters from three widely differing sampling locations. The increase in weight at the higher humidities represents the amount of atmospheric moisture collected by the particulate matter on the filters.

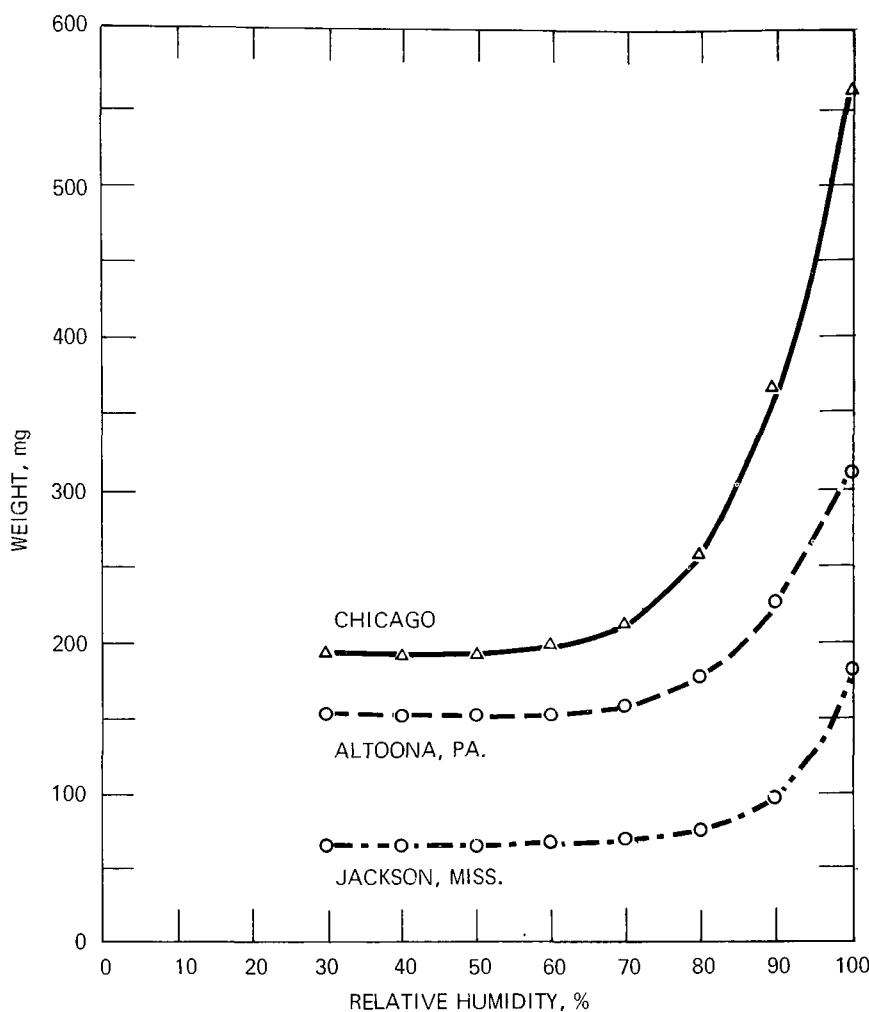


Figure 14. Effects of relative humidity on weight of atmospheric particulates at 75°F.

## ORGANIC PARTICULATES

Tables 10 through 14 present 1966 data on the portion of suspended particulate matter that consists of organic chemical compounds. The concentrations of benzene-soluble organic material from urban stations are summarized by state in Table 10; data for individual urban and nonurban stations are presented in Tables 11 and 12, respectively. All benzene-soluble organic concentrations are determined from quarterly composite samples.

The numerous specific organic compounds that dissolve in benzene are believed to include most of the man-made organic pollutants. Natural organic particulates in the air, such as pollens and molds, generally are not soluble in benzene.

Benzene-soluble organics are determined by extraction of aliquots of the samples with redistilled benzene in a Soxhlet\* extractor for 6 to 8 hours. This

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\*Mention of a company or product name does not imply endorsement by the United States Department of Health, Education, and Welfare.

extraction removes more than 90 percent of the benzene-soluble organic materials from the sample. After extraction, the solution is concentrated and is filtered into a tared test tube. The benzene solvent is then evaporated at 60°C, and the organic matter remaining is weighed.

Tables 13 and 14 present data on the concentration of benzo(a)pyrene in the particulate matter from urban and nonurban stations, respectively. Benzo(a)-pyrene, one of the many specific organic compounds included in the benzene-soluble fraction, is of sufficient interest to warrant separate determination because of its carcinogenic, i. e. cancer-causing, properties.

The benzo(a)pyrene analyses were conducted on three composite samples for each station: a first-half (January-June) composite and quarterly composite samples for the third and fourth quarters. The first-half composites are entered in Tables 13 and 14 as identical values for the first and second quarters and were weighted twice in the calculation of the annual averages.

The units used in reporting benzo(a)pyrene concentrations are different from those used for other fractions of the particulate matter. Because it is present in extremely small amounts, benzo(a)pyrene is reported in nanograms ( $10^{-9}$  grams) per cubic meter rather than in micrograms ( $10^{-6}$  grams) per cubic meter.

## RADIOACTIVITY

Table 15 summarizes beta radioactivity measurements of particulate samples gathered during 1966. The urban and nonurban data are summarized together by state, since radioactive material is generally distributed from the upper atmosphere over urban and rural areas alike. In 1967 the Air Quality and Emission Data Program discontinued routine radioactivity monitoring of network samples. This effort was conducted in cooperation with the National Center for Radiological Health, which will continue to gather similar information through its own sampling network.

## NONMETALLIC INORGANIC PARTICULATES

Tables 16 through 21 present the results of chemical analyses of samples for 1965 of three nonmetallic inorganic groups. Data on ammonium, nitrate, and sulfate compounds in particulate samples from urban stations are presented in frequency distribution format in Tables 16, 18, and 20, respectively, and comparable data from nonurban stations in Tables 17, 19, and 21. For the first time, the samples, including nonurban samples, from all NASN stations in a given year have been analyzed.

Analyses for all three of the nonmetallic inorganics are conducted with autoanalyzers on an aqueous extract of an 8.3 percent aliquot of the particulate sample. The sample aliquot is refluxed with 50 ml of distilled water in a 125-ml flask, cooled and filtered, and then reextracted with 10 to 15 ml of water. In filtration of this extract, the filter and flasks are washed to a total volume of 50 ml of filtrate, which is then mixed and used for the three analyses.

Ammonium ion in the filtrate is determined by reaction with sodium phenolate and a commercial 5.25 percent stabilized sodium hypochlorite solution to produce a blue complex. The intensity of the color of this complex is measured spectrophotometrically at 425 millimicrons.

Nitrate ion in the filtrate is reduced to nitrite by alkaline hydrazine (pH about 11). Sulfanilamide is then added to form a diazo compound, which is subsequently complexed with N-1-naphthylethylenediamine. The resulting complex is measured spectrophotometrically at 535 millimicrons. This method offers distinct advantages in avoiding interferences from other water-soluble compounds found in atmospheric particulates.

Sulfate ion in the filtrate is determined by the methylthymol blue method which is appropriate only with autoanalyzer techniques since the methylthymol blue dye is oxidized by atmospheric oxygen. The filtrate is reacted with a reagent consisting of equal parts of methylthymol blue dye and barium chloride, kept at a pH of 2.8 to prevent the formation of a chelate complex from the dye and the barium. Any sulfate ion in the sample reacts with the barium, leaving an excess of methylthymol blue dye that is proportional to the amount of sulfate present. The pH is then raised to 12.4, at which point the barium not removed by the sulfate forms a chelate complex with the methylthymol blue dye and the excess dye turns yellow. The intensity of the yellow color is then determined colorimetrically at 480 millimicrons.

## METALS

Tables 22 through 68 present data on the concentrations of 16 metals in urban and nonurban quarterly composites of samples collected during 1965, and in earlier urban samples that have been analyzed in retrospect, some individually and some as quarterly composites. Detectable quantities of antimony, beryllium, bismuth, cadmium, cobalt, and molybdenum are found so infrequently that data for these metals are presented in abbreviated summary tables.

In the metals analysis an aliquot of the sample is first ashed and then extracted with nitric acid. The manner of ashing the sample may be critical in the determination of the more volatile metals, such as lead, zinc, and cadmium. In the past, samples have been ashed in a muffle furnace at 500°C, but they are now ashed in a low-temperature (less than 100°C) ashing. After ashing and extraction, metals contents of urban samples are determined with an emission spectrograph.

This report contains summaries of the first extensive metals analyses of nonurban samples, collected from 29 nonurban stations in 1965. Improvements in the analytical method, including preparation of sample extracts up to five times more concentrated than those for the urban samples, have so increased sensitivity that metals can be detected in many nonurban samples.

Table 3 lists the minimum quantities in which metals are detectable in urban and nonurban samples under average operating conditions. The degree of interference from other substances determines the actual sensitivity in an individual analysis. In this publication, a recorded concentration of zero means only that the actual concentration was below the minimum detectable. However, in the calculation of annual station averages, concentrations below the minimum detectable are treated as zero concentrations.

## SOILING INDEX

Table 69 presents frequency distributions of soiling index values measured at the six CAMP stations, and Table 70 presents daily averages of these values. Soiling index values are determined with a standard AISI tape sampler operating on a 2-hour cycle. The soiled tapes are read with an automated transmissivity

meter that determines the soiling index values. Since the transmittance of light through the soiled spot is affected primarily by the surface areas of the particles collected, soiling index values reflect mainly the smaller particles. When values over 6.0 are indicated, the soiled spot is so dense that an accurate determination is not possible. Such values are under-estimated, that is they are lower than would be the average of two 1-hour determinations.

## GASEOUS POLLUTANTS

Tables 71 through 82 present various summaries of gaseous pollutant data from three of the National Air Surveillance Networks: The Continuous Air Monitoring Program (CAMP), the 24-hour gas bubbler network, and the lead candle network.

The CAMP data are presented in Tables 71 through 76 as monthly and annual frequency distributions of the basic 5-minute values recorded. Tables 77 through 82 present daily arithmetic averages of the data.

Data from the gas bubbler network on ammonia, nitrogen dioxide, and sulfur dioxide are presented in Tables 83, 84, and 85, respectively. The gas-bubbler samplers are operated on the same schedule of 26 randomly selected days as are the "Hi-Vol" samplers. The tables include data from both "qualifying" and "non-qualifying" stations. If a station did not meet the criterion of 20 properly distributed samples, the geometric mean and standard deviation were not calculated. The nitrogen dioxide bubbler design was modified during 1966, and the calibration constants were recalculated; therefore, nitrogen dioxide bubbler data for 1966 cannot be considered strictly comparable with data from years prior to 1966.

Tables 86 presents the results of the first partial year of operation of the lead candle network. The lead candle provides an index of sulfation, which is determined by the reaction of sulfurous compounds with lead peroxide exposed to the air for 30 days, and which is expressed in milligrams of sulfur trioxide per 100 square centimeters per day. The lead candle consists of a gauze sleeve impregnated with lead peroxide and housed in a circular shelter to assure uniform directional exposure.

## COLORADO STATE NETWORK

Tables 87 and 88 present data provided by the Colorado State Network. These data on suspended particulates and benzene-soluble organics are not integrated with other data.

**Table 6. SUSPENDED PARTICULATES, STATE AND NATIONAL SUMMARIES OF URBAN FREQUENCY DISTRIBUTIONS**

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution - Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA	66	77	27	52	63	71	80	91	113	135	172	205	442	117	99	1.77
ALASKA	66	21	19	20	28	38	47	127	142	157	171	210	349	114	81	2.46
ARIZONA	66	75	11	31	44	52	68	74	88	121	143	210	541	101	77	2.10
ARKANSAS	66	92	20	51	69	81	89	98	106	123	146	178	256	108	97	1.63
CALIFORNIA	66	254	21	41	53	63	82	93	104	121	144	177	293	101	88	1.71
COLORADO	66	29	59	67	72	91	108	127	139	157	171	210	230	126	117	1.51
CONNECTICUT	66	125	23	44	53	61	70	81	90	112	127	148	276	92	82	1.61
DELAWARE	66	49	27	67	75	88	100	110	119	132	155	194	392	123	110	1.61
DIST. OF COLUM.	66	25	38	47	55	61	65	71	72	83	88	118	216	77	72	1.42
FLORIDA	66	95	14	22	28	33	37	43	49	57	66	83	106	48	43	1.60
GEORGIA	66	225	14	42	56	63	72	83	93	105	120	156	329	96	82	1.71
HAWAII	66	26	22	25	26	27	28	31	35	40	44	47	74	35	33	1.35
IDAHO	66	25	32	67	71	77	83	91	96	103	108	150	156	93	88	1.61
ILLINOIS	66	121	37	55	77	86	96	106	122	142	167	203	323	143	110	1.64
INDIANA	66	147	9	68	85	99	114	129	140	157	191	242	340	139	124	1.67
IOWA	66	76	36	67	81	95	104	120	137	150	170	192	242	125	115	1.54
KANSAS	66	48	24	52	59	64	72	83	95	104	121	140	221	92	84	1.52
KENTUCKY	66	76	27	77	85	94	106	121	137	154	183	229	423	142	125	1.65
LOUISIANA	66	26	45	52	60	68	71	76	83	88	102	127	401	93	82	1.56
MARYLAND	66	26	70	84	95	108	116	127	141	150	171	263	296	144	133	1.48
MASSACHUSETTS	66	100	20	33	37	46	54	64	73	83	96	108	309	72	63	1.66
MICHIGAN	66	50	43	52	65	81	91	100	108	127	164	194	294	113	101	1.60
MINNESOTA	66	103	16	36	46	55	64	75	86	96	107	127	234	81	71	1.70
MISSISSIPPI	66	26	20	47	50	55	58	62	67	72	82	91	113	65	62	1.42
MISSOURI	66	48	51	77	91	100	110	122	135	147	162	189	255	130	122	1.42
MONTANA	66	26	17	20	28	35	40	50	55	60	71	84	122	53	47	1.68
NEBRASKA	66	29	59	91	96	103	108	119	127	139	146	178	225	125	120	1.34
NEVADA	66	26	60	68	74	84	91	97	104	108	122	135	158	99	96	1.30
NEW HAMPSHIRE	66	26	13	18	19	24	30	32	38	44	55	73	92	40	35	1.72
NEW JERSEY	66	171	17	54	63	73	84	99	115	134	155	178	336	110	97	1.67
NEW MEXICO	66	29	36	67	72	81	88	100	108	139	164	248	302	120	106	1.64
NEW YORK	66	2626	9	34	46	55	66	78	93	111	136	185	1321	98	79	1.94
NORTH CAROLINA	66	26	50	69	73	82	86	100	127	150	171	194	353	126	112	1.62
NORTH DAKOTA	66	53	12	26	37	44	50	65	75	88	102	127	156	70	60	1.80

**Table 6 (continued). SUSPENDED PARTICULATES, STATE AND NATIONAL SUMMARIES OF URBAN FREQUENCY DISTRIBUTIONS**

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution - Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
OHIO	66	552	6	55	74	87	100	114	129	147	172	214	602	130	113	1.71
OKLAHOMA	66	51	35	65	50	60	69	76	84	88	100	150	510	89	77	1.62
OREGON	66	22	25	35	40	52	60	64	74	84	109	121	174	75	66	1.65
PENNSYLVANIA	66	126	24	52	78	89	106	121	134	147	173	226	446	131	114	1.71
PUERTO RICO	66	102	18	28	40	53	61	72	89	110	145	199	293	96	76	1.99
RHODE ISLAND	66	24	59	69	81	88	102	115	122	142	164	199	268	121	113	1.48
SOUTH CAROLINA	66	49	31	40	53	62	69	76	88	102	119	141	242	86	78	1.58
SOUTH DAKOTA	66	26	27	35	40	47	55	61	67	72	81	88	96	61	57	1.60
TENNESSEE	66	73	31	62	76	88	100	113	124	137	154	210	347	123	111	1.59
TEXAS	66	500	8	41	50	59	66	74	85	96	115	150	915	96	78	1.80
UTAH	66	48	16	40	47	52	63	71	80	108	121	144	172	82	72	1.69
VERMONT	66	29	28	37	40	55	62	71	77	88	97	139	207	77	69	1.60
VIRGINIA	66	50	28	42	57	63	69	76	88	100	111	124	162	83	77	1.50
WASHINGTON	66	321	23	43	51	59	67	74	84	98	116	145	284	87	78	1.59
WEST VIRGINIA	66	97	36	65	89	102	115	130	155	173	203	274	684	158	136	1.72
WISCONSIN	66	150	19	41	53	64	72	79	89	101	121	158	391	93	80	1.69
WYOMING	66	26	14	19	21	26	29	33	36	39	50	55	379	48	55	1.92

Table 7. SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev		
			Min	Frequency Distribution—Percent										Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90					
ALABAMA																	
BIRMINGHAM	66	25	53	73	81	91	118	139	150	183	194	210	329	142	120	1.59	
GADSDEN	66	26	27	33	40	55	60	67	73	77	97	108	278	77	67	1.68	
MOBILE	66	26	48	69	71	81	88	113	127	150	178	223	442	133	116	1.66	
ALASKA																	
ANCHORAGE	66	31	19	20	28	38	47	127	144	157	171	210	349	114	81	2.46	
ARIZONA																	
PARADISE VALLEY	66	26	11	21	24	38	42	49	53	60	73	82	561	68	47	2.11	
PHOENIX	66	24	28	33	77	118	136	145	157	178	223	271	297	132	128	1.93	
TUCSON	66	25	30	47	52	71	77	84	89	108	118	139	175	86	80	1.52	
ARKANSAS																	
LITTLE ROCK	66	26	33	55	81	91	97	109	121	139	164	189	236	118	107	1.60	
WEST MEMPHIS	66	26	20	55	65	72	77	88	100	108	135	150	254	98	87	1.65	
CALIFORNIA																	
BAKERSFIELD	*	26	80	91	121	142	164	182	189	199	219	229	293	169	161	1.39	
BURBANK	66	26	39	81	88	97	102	113	127	142	161	172	281	123	114	1.49	
LOS ANGELES	66	26	41	82	86	94	101	118	133	139	147	164	233	119	113	1.42	
MONTEREY	*	24	26	27	33	40	47	50	52	60	71	108	149	59	52	1.60	
OAKLAND	66	29	46	50	55	69	77	88	93	108	121	150	270	94	85	1.55	
PASADENA	66	29	42	84	94	102	108	119	127	144	157	178	210	126	119	1.41	
SACRAMENTO	*	29	25	37	40	55	57	61	63	84	94	105	117	66	62	1.48	
SAN DIEGO	66	29	21	42	47	53	56	61	64	73	91	108	173	63	63	1.56	
SAN FRANCISCO	66	26	30	34	37	40	49	53	65	77	88	100	256	68	60	1.64	
SANTA ANA	*	25	36	79	84	91	97	105	113	127	150	178	199	113	108	1.38	
COLORADO																	
DENVER	66	29	99	67	72	91	108	127	139	157	171	210	290	126	117	1.51	
CONNECTICUT																	
BRIDGEPORT	*	24	23	33	57	60	65	77	95	108	121	142	221	88	78	1.66	
HARTFORD	66	26	38	44	51	65	70	77	91	112	123	139	188	90	81	1.59	
NEW HAVEN	66	29	46	65	73	81	84	89	97	133	144	178	276	110	101	1.51	
NORWICH	*	26	39	43	46	51	55	61	71	81	91	118	140	72	67	1.43	
WATERBURY	*	24	54	40	47	58	61	88	114	133	144	178	262	102	87	1.77	
DELAWARE																	
NEWARK	66	25	27	55	68	77	91	101	108	127	150	248	392	121	102	1.79	
WILMINGTON	66	24	72	73	86	97	111	118	124	142	157	178	249	124	118	1.38	
DIST. OF COLUMBIA																	
WASHINGTON	66	25	38	47	55	61	65	71	7	83	88	118	216	77	72	1.42	
FLORIDA																	
GAINESVILLE	*	23	14	33	38	42	47	52	53	65	77	97	106	58	53	1.58	
MIAMI	*	29	24	29	32	35	38	42	47	58	65	91	100	49	45	1.48	
ST. PETERSBURG	*	24	17	18	21	22	24	28	31	40	44	58	64	33	31	1.49	
TAMPA	*	23	18	24	30	33	40	52	60	67	72	84	93	52	48	1.60	

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
GEORGIA																	
ATLANTA	66	23	34	40	65	77	86	100	108	116	123	150	189	97	89	1.57	
AUGUSTA	*	66	25	36	40	55	59	62	82	91	101	108	150	198	89	77	1.57
COLUMBUS	*	66	25	29	42	45	57	60	69	73	84	91	114	116	70	66	1.45
LYONS	*	66	26	21	30	32	42	47	57	63	68	77	91	102	98	93	1.56
MACON	*	66	25	26	55	65	72	77	88	100	118	127	210	299	105	91	1.71
ROME	*	66	25	18	47	55	63	68	77	86	102	118	142	219	85	79	1.66
ROSSVILLE	*	66	24	55	60	64	95	108	121	139	164	194	229	228	132	121	1.55
SAVANNAH	*	66	26	39	58	63	70	75	86	108	118	210	248	529	139	106	1.97
VALDOSTA	*	66	26	14	58	65	79	84	91	97	102	108	127	137	91	85	1.57
HAWAII																	
HONOLULU	66	26	22	25	26	27	28	31	35	40	44	47	74	35	33	1.35	
IDAHO																	
BOISE	66	25	32	67	71	77	83	91	96	103	108	150	156	93	88	1.41	
ILLINOIS																	
CHICAGO	66	26	56	71	79	86	91	104	121	150	171	194	273	124	114	1.52	
EAST ST LOUIS	*	66	20	78	127	142	157	171	184	197	210	266	285	323	198	187	1.42
MOLINE	*	66	25	40	91	98	108	114	124	131	142	150	210	263	132	122	1.53
ROCKFORD	*	66	25	37	47	51	58	65	85	91	100	105	159	174	85	78	1.53
SPRINGFIELD	*	66	25	45	55	68	77	83	91	97	105	114	139	173	93	88	1.40
INDIANA																	
EAST CHICAGO	66	26	90	102	118	150	164	183	199	210	248	279	317	186	174	1.45	
HAMMOND	66	24	55	65	94	101	112	119	127	150	210	271	272	143	129	1.59	
INDIANAPOLIS	66	25	82	108	114	124	130	140	147	169	189	263	283	154	146	1.38	
MUNCIE	66	24	43	60	70	75	82	86	91	104	133	150	194	98	92	1.42	
NEW ALBANY	66	24	9	33	82	91	127	132	137	145	150	210	340	129	109	2.02	
SOUTH BEND	66	24	31	55	65	82	95	104	127	144	164	210	282	120	106	1.69	
IOWA																	
DAVENPORT	66	25	52	55	69	91	100	113	122	159	178	202	236	121	109	1.58	
DES MOINES	66	25	36	80	85	95	104	130	136	144	150	178	242	123	114	1.51	
DUBUQUE	66	26	48	73	91	101	108	127	150	161	178	194	228	132	123	1.49	
KANSAS																	
KANSAS CITY	66	25	45	49	55	62	69	84	95	104	118	139	148	90	85	1.47	
WICHITA	66	25	24	57	61	66	74	86	94	103	127	150	221	94	85	1.58	
KENTUCKY																	
ASHLAND	66	25	44	83	88	100	108	127	150	194	229	379	423	167	142	1.77	
COVINGTON	66	26	48	65	77	85	91	104	118	127	144	164	231	112	105	1.44	
LOUISVILLE	66	25	27	82	91	114	127	141	150	171	189	248	332	148	132	1.67	
LOUISIANA																	
NEW ORLEANS	66	26	45	52	60	68	71	76	83	88	102	127	401	93	82	1.56	
MARYLAND																	
BALTIMORE	66	26	70	84	95	108	116	127	141	150	171	263	290	146	133	1.48	

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MASSACHUSETTS BROCKTON	66	26	34	38	44	50	53	67	75	81	91	108	309	77	67	1.64
LAWRENCE	66	26	20	31	35	40	45	55	77	86	98	105	178	68	59	1.72
LOWELL	66	22	26	29	32	40	62	68	74	84	108	178	192	79	66	1.83
NEW BEDFORD	66	26	31	35	38	49	53	62	71	77	94	101	198	67	62	1.50
MICHIGAN DETROIT	66	26	45	65	76	123	140	162	179	189	203	275	323	161	143	1.70
LANSING	66	24	43	50	58	69	81	88	93	101	106	150	167	88	83	1.42
MINNESOTA DULUTH	66	26	19	28	37	43	50	65	94	101	114	127	234	82	67	1.93
MINNEAPOLIS	66	26	20	47	65	70	74	82	95	104	118	127	139	87	80	1.56
MOORHEAD	66	26	16	33	40	44	47	53	58	61	65	77	93	53	50	1.47
ST PAUL	66	25	43	69	73	82	86	94	100	108	121	164	205	101	95	1.42
MISSISSIPPI JACKSON	66	26	20	47	50	55	58	62	67	72	82	91	113	65	62	1.42
MISSOURI KANSAS CITY	66	24	66	71	81	88	102	114	127	137	143	164	196	116	111	1.36
ST LOUIS	66	24	51	91	101	108	119	127	150	167	178	229	255	143	135	1.45
MONTANA HELENA	66	26	17	20	28	35	40	50	55	60	71	84	122	53	47	1.68
NEBRASKA OMAHA	66	25	59	91	96	103	108	119	127	139	146	178	225	125	120	1.34
NEVADA LAS VEGAS	66	26	60	68	74	84	91	97	104	108	122	135	198	99	96	1.30
NEW HAMPSHIRE CONCORD	66	26	13	18	19	24	30	32	38	44	55	73	92	40	35	1.72
NEW JERSEY CAMDEN	66	25	78	100	114	130	137	147	154	164	171	210	267	148	143	1.31
GLASSBORO	66	26	17	31	44	52	57	63	70	75	84	91	173	65	59	1.59
JERSEY CITY	66	23	60	62	82	91	102	139	159	178	210	246	336	146	129	1.65
MARLTON	66	26	29	55	68	77	91	100	108	114	124	139	194	98	91	1.53
NEWARK	66	25	48	58	63	69	73	82	91	108	139	169	179	96	88	1.50
PERTH AMBOY	66	24	29	58	65	84	114	121	127	150	169	199	255	123	110	1.65
TRENTON	66	22	31	40	60	71	77	86	97	108	142	164	220	97	87	1.61
NEW MEXICO ALBUQUERQUE	66	25	36	67	72	81	88	100	108	139	164	248	302	120	106	1.64
NEW YORK AKRON	66	52	9	35	50	62	82	97	108	127	150	197	342	106	86	2.02
ALBANY	66	52	30	37	45	58	77	84	91	116	139	164	254	95	82	1.75
BABYLON	66	60	40	56	63	69	76	91	100	111	127	164	238	97	90	1.51
BROOKHAVEN	66	61	20	33	38	43	48	55	63	71	82	102	177	61	55	1.57
BUFFALO	66	313	28	57	73	85	97	111	132	152	187	238	1321	139	117	1.76

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
NEW YORK (Continued)																
CHEERTOWAGA N W	* 66	54	18	33	55	77	98	118	135	150	186	233	450	126	102	1.99
CLARKSTOWN	* 66	51	21	33	48	53	61	71	79	88	98	114	341	78	68	1.64
DUANESBURG	* 66	55	10	17	24	31	37	45	49	53	65	86	159	47	40	1.80
EAST GREENBUSH	* 66	55	39	59	70	88	100	111	119	129	141	178	238	112	103	1.51
ELLENVILLE	* 66	45	17	55	67	77	88	121	137	159	199	321	967	165	116	2.25
ELMIRA	* 66	49	31	40	48	55	67	77	83	91	102	118	195	78	72	1.48
GRAFTON	* 66	52	9	14	17	25	28	32	38	44	50	57	94	35	31	1.69
GRAND ISLAND	* 66	48	24	51	71	82	94	111	127	150	172	225	404	127	107	1.82
HOLLAND	* 66	49	13	20	26	34	36	39	44	50	55	68	111	43	39	1.60
HORSEHEADS	* 66	43	29	47	61	68	74	85	97	108	123	145	272	94	86	1.55
HUDSON	* 66	58	34	50	58	67	79	91	108	127	159	204	445	119	98	1.80
ISLIP	* 66	57	25	33	41	46	56	61	66	74	88	113	202	68	61	1.38
KINGSTON	* 66	48	43	63	79	85	100	121	130	147	161	178	214	121	112	1.50
LACKAWANNA	* 66	57	63	91	118	164	189	210	237	268	347	399	578	233	202	1.73
LA GRANGE	* 66	52	20	25	31	36	42	50	54	65	77	102	141	36	30	1.64
LOCKPORT	* 66	60	19	27	38	50	57	64	71	79	96	127	159	70	62	1.68
MASSENA	* 66	57	15	19	29	32	37	42	46	52	58	63	86	43	39	1.54
MT VERNON	* 66	60	34	44	52	59	67	76	91	112	123	140	214	89	80	1.57
NEW PAULTZ	* 66	54	28	35	46	50	55	63	73	86	98	121	296	75	67	1.61
NEW ROCHELLE	* 66	58	40	58	65	73	82	91	104	113	136	164	260	103	95	1.49
NEW YORK CITY	66	24	68	73	86	95	108	118	127	150	189	229	252	134	124	1.49
NISKAYUNA	* 66	56	14	22	31	39	44	53	60	64	74	97	130	56	49	1.70
OSSINING	* 66	56	24	40	45	52	58	65	74	93	103	118	174	74	67	1.58
PHILMONT	* 66	59	24	27	32	37	42	46	53	63	77	91	211	56	50	1.59
POUGHKEEPESTE	* 66	58	20	34	43	52	63	72	80	99	106	124	339	83	71	1.75
ROCHESTER	* 66	57	46	65	74	83	92	99	109	116	133	147	244	106	99	1.44
SAUGERTIES	* 66	48	24	49	60	84	98	111	124	142	156	172	314	118	103	1.71
SCHENECTADY	* 66	56	38	47	54	70	77	84	91	103	123	150	269	96	87	1.58
SLOAN	* 66	55	26	63	80	100	113	124	144	178	194	220	288	134	120	1.65
SMITHTOWN	* 66	61	21	34	40	49	53	60	67	79	88	116	185	69	62	1.60
SOMERS	* 66	53	15	20	28	35	41	49	58	69	75	86	126	53	47	1.70
SOUTHAMPTON	* 66	61	19	24	30	35	38	45	50	54	61	84	168	50	45	1.57
SOUTHOLD	* 66	59	14	24	27	31	35	39	42	46	55	65	119	43	40	1.53
SYRACUSE	* 66	53	33	55	71	102	123	143	162	199	232	294	495	161	134	1.87
TONAWANDA	* 66	53	39	65	88	105	116	135	164	178	201	235	405	146	130	1.64

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
NEW YORK (Continued)																
TROY	* 66	53	23	38	44	47	58	65	70	74	82	102	193	67	62	1.46
UTICA	* 66	56	29	56	64	75	84	99	108	130	150	184	220	109	98	1.58
WHITE PLAINS	* 66	55	28	44	55	63	70	82	93	108	127	159	295	94	83	1.64
YONKERS	* 66	51	54	71	93	102	116	139	164	197	224	248	280	152	137	1.60
NORTH CAROLINA CHARLOTTE	66	26	50	65	73	82	86	100	127	150	171	194	353	126	112	1.62
NORTH DAKOTA BISMARCK	* 66	27	20	28	35	40	60	77	84	97	114	127	156	75	64	1.82
FARGO	* 66	26	12	28	33	44	47	55	68	74	97	108	137	64	55	1.77
OHIO AKRON	66	29	36	59	81	91	114	132	141	164	186	210	287	134	118	1.71
CANTON	* 66	26	79	83	87	95	104	121	136	167	186	202	340	140	129	1.50
CINCINNATI	66	25	56	77	91	108	127	141	150	178	199	271	399	154	138	1.60
CLEVELAND	66	26	43	50	55	84	91	114	124	135	157	171	227	116	104	1.61
COLUMBUS	66	25	43	60	77	100	108	122	134	145	164	199	293	124	114	1.55
DAYTON	66	26	42	55	65	96	101	108	139	178	202	248	406	143	122	1.78
EAST LIVERPOOL	* 66	24	72	77	100	114	139	156	167	223	248	294	628	170	158	1.65
FRANKLIN	* 66	26	25	60	71	84	91	104	116	123	142	164	268	110	100	1.60
GREENVILLE	* 66	26	32	60	68	77	83	91	108	118	139	178	294	106	96	1.56
HAMILTON	* 66	25	39	62	77	94	101	113	122	142	159	210	289	122	110	1.60
LORAIN	* 66	26	29	42	47	55	69	81	91	100	113	122	193	80	74	1.53
MARYSVILLE	* 66	25	29	59	67	75	82	100	118	136	145	169	194	101	92	1.62
NAPOLEON	* 66	22	53	60	77	98	105	114	127	135	146	178	190	115	109	1.62
NEWARK	* 66	24	75	84	108	121	142	159	178	192	201	223	248	156	147	1.43
PAINESVILLE	* 66	26	51	59	62	82	91	113	122	127	144	157	175	106	99	1.47
PORTSMOUTH	* 66	23	6	65	91	108	118	132	141	150	194	294	376	152	124	2,23
ST CLAIRSVILLE	* 66	25	51	55	62	80	85	95	104	121	139	169	190	103	95	1.49
STEUBENVILLE	* 66	25	68	77	127	161	172	229	263	363	394	485	602	254	213	1.88
TOLEDO	66	26	36	47	52	71	79	86	94	101	118	139	243	92	84	1.57
WARREN	* 66	24	26	40	60	71	91	102	127	150	178	248	299	125	104	1.90
WOOSTER	* 66	26	49	53	58	69	77	97	114	127	150	169	251	106	96	1.58
YOUNGSTOWN	66	26	47	55	98	108	118	133	150	164	194	248	406	152	135	1.66
OKLAHOMA OKLAHOMA CITY	66	26	49	65	71	78	81	85	90	95	108	150	510	107	93	1.57
TULSA	66	25	35	40	43	47	52	62	67	73	77	108	217	70	63	1.55
OREGON PORTLAND	66	22	25	33	40	52	60	68	74	84	108	121	174	75	66	1.65

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev		
			Min	10	20	30	40	50	60	70	80	90	Max	Arith Mean	Geo Mean		
PENNSYLVANIA																	
LANCASTER	66	26	34	55	81	91	108	130	139	144	156	167	298	122	112	1.58	
NESHAMINY	66	25	33	40	49	55	71	84	91	108	121	178	211	90	79	1.69	
PHILADELPHIA	66	24	92	106	118	124	136	145	150	172	194	248	261	154	148	1.33	
PITTSBURGH	66	26	80	84	89	108	118	131	144	150	210	248	309	151	140	1.50	
READING	66	25	24	50	55	73	84	108	121	150	210	294	446	137	107	2.04	
PUERTO RICO																	
BAYAMON	66	26	43	51	58	67	72	108	150	164	194	243	293	128	107	1.85	
GUAYANILLA	66	25	18	24	25	27	28	31	33	37	40	60	108	36	33	1.46	
PONCE	66	26	47	60	77	85	91	113	127	150	210	248	286	134	117	1.69	
SAN JUAN	66	25	41	51	55	60	63	73	84	100	108	127	169	82	77	1.46	
RHODE ISLAND																	
PROVIDENCE	*	66	24	59	69	81	88	102	113	124	142	164	199	268	121	113	1.48
SOUTH CAROLINA																	
COLUMBIA	66	23	33	37	47	52	60	71	77	91	102	139	142	77	70	1.55	
GREENVILLE	66	26	31	55	60	67	72	84	102	112	123	150	242	95	86	1.58	
SOUTH DAKOTA																	
SIOUX FALLS	66	26	27	35	40	47	55	61	67	72	81	88	96	61	57	1.40	
TENNESSEE																	
CHATTANOOGA	66	23	80	84	100	111	116	124	135	144	159	210	347	140	131	1.64	
MEMPHIS	66	26	40	60	67	73	77	97	118	133	150	178	281	115	102	1.62	
NASHVILLE	66	24	31	47	71	84	98	105	114	135	150	210	271	115	103	1.65	
TEXAS																	
AUSTIN	*	66	26	37	65	68	72	74	81	91	102	116	123	394	97	86	1.58
CLUTE	*	66	28	24	42	55	62	77	81	85	90	94	102	542	91	76	1.70
CORPUS CHRISTI	*	66	26	43	51	58	65	71	81	91	102	127	142	361	99	87	1.62
DALLAS	66	24	42	47	63	67	75	91	97	105	118	150	390	101	89	1.59	
EL PASO	*	66	22	79	108	118	135	150	161	172	223	294	347	446	193	174	1.58
FT WORTH	*	66	26	54	58	65	74	81	91	104	114	135	150	915	133	103	1.79
GALVESTON	*	66	24	25	27	35	40	44	47	55	71	84	229	473	84	60	2.07
MARLINGEN	*	66	24	30	33	40	55	63	67	74	82	91	118	275	75	66	1.65
HOUSTON	66	26	49	60	67	72	75	84	95	104	121	150	299	102	92	1.54	
LUBBOCK	*	66	26	33	65	68	74	77	100	114	127	144	164	215	106	97	1.56
MC ALLEN	*	66	26	38	45	55	59	62	69	82	91	118	127	319	89	78	1.61
ODESSA	*	66	24	25	28	58	65	82	91	102	121	139	178	319	104	88	1.83
ORANGE	*	66	23	26	47	53	57	61	68	79	79	84	91	692	95	72	1.77
PORT ARTHUR	*	66	22	30	37	42	47	52	60	68	74	91	108	631	89	66	1.87
SAN ANTONIO	66	25	30	44	47	58	62	68	74	82	86	118	146	73	68	1.43	
TEXARKANA	*	66	24	8	24	37	40	47	55	58	63	69	108	277	62	51	1.88
TEXAS CITY	*	66	25	17	26	31	41	44	49	52	58	65	84	460	65	49	1.87

Table 7 (continued). SUSPENDED PARTICULATES, URBAN FREQUENCY DISTRIBUTIONS

Location, Region, State or Station	Years	Number of Samples	Min	Micrograms Per Cubic Meter										Std Geo Dev		
				Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
TEXAS																
TYLER	* 66	26	20	38	42	47	50	54	60	65	72	77	361	68	57	1.67
WACO	* 66	26	47	51	55	59	62	77	85	91	104	139	393	92	81	1.59
WICHITA FALLS	* 66	27	41	58	65	72	80	88	97	114	135	150	554	117	98	1.71
UTAH																
OGDEN	66	24	16	24	40	44	50	55	69	84	108	139	168	71	61	1.78
SALT LAKE CITY	66	24	42	50	58	65	72	77	86	118	127	159	172	93	86	1.51
VERMONT																
BURLINGTON	66	29	28	37	40	55	62	71	77	88	97	139	207	77	69	1.60
VIRGINIA																
DANVILLE	66	24	28	33	58	65	74	82	91	104	114	139	162	86	79	1.58
NORFOLK	66	26	38	47	57	62	65	72	84	95	108	118	157	79	75	1.43
WASHINGTON																
EVERETT	* 66	92	36	48	58	67	73	84	98	109	122	141	208	91	89	1.48
SEATTLE	66	26	47	58	58	63	66	70	73	76	84	91	181	76	72	1.33
TACOMA	* 66	105	23	40	49	54	66	75	87	105	127	173	284	93	80	1.73
VANCOUVER	* 66	98	28	40	48	54	62	70	78	89	102	132	225	79	71	1.57
WEST VIRGINIA																
CHARLESTON	66	22	55	55	77	112	119	127	210	279	379	485	684	226	174	2.13
HUNTINGTON	* 66	24	57	81	91	102	118	127	164	186	202	248	291	149	137	1.92
PARKERSBURG	* 66	26	36	60	65	91	100	118	139	150	167	178	302	124	112	1.61
WHEELING	* 66	25	39	77	98	108	121	142	155	169	178	210	274	143	132	1.54
WISCONSIN																
EAU CLAIRE	* 66	26	34	40	43	47	55	67	75	82	95	104	172	70	65	1.49
KENOSHA	* 66	26	19	37	47	60	67	75	84	91	114	127	197	82	72	1.74
MADISON	* 66	24	27	28	44	55	65	70	75	86	97	127	152	73	66	1.62
MILWAUKEE	66	26	44	65	77	91	102	121	150	169	210	248	391	150	129	1.74
RACINE	* 66	25	22	52	60	70	75	91	97	105	127	150	153	91	84	1.54
SUPERIOR	* 66	23	32	40	62	69	77	82	86	89	108	142	172	87	80	1.50
WYOMING																
CHEYENNE	66	26	14	19	21	26	29	33	36	38	50	55	379	48	39	1.92

Table 8. SUSPENDED PARTICULATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev		
			Min	Frequency Distribution—Percent										Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90					
ARIZONA GRAND CANYON PK	66	25	3	11	12	24	27	31	37	44	47	55	98	33	27	2.17	
ARKANSAS MONTGOMERY CO	66	25	11	17	22	29	32	37	40	55	62	77	246	50	38	1.98	
CALIFORNIA HUMBOLDT COUNTY	66	24	16	18	21	23	27	30	33	44	55	91	158	43	35	1.82	
COLORADO MONTEZUMA COUNTY	66	26	3	5	8	10	11	16	18	20	28	33	75	19	14	2.17	
DELAWARE KENT COUNTY	66	25	25	33	43	47	55	63	68	77	91	104	116	64	59	1.52	
INDIANA MONROE COUNTY	66	22	27	27	40	45	45	47	49	51	54	65	83	48	46	1.32	
PARKE COUNTY	66	25	19	24	29	31	33	36	38	42	47	77	171	46	40	1.62	
IOWA DELAWARE COUNTY	66	23	14	17	19	25	28	33	38	50	55	77	110	40	35	1.75	
MAINE ACADIA NAT PARK	66	24	9	11	13	19	20	24	26	28	35	40	57	25	22	1.64	
MARYLAND CALVERT COUNTY	66	25	20	23	28	34	36	39	41	46	50	60	72	40	38	1.38	
MISSISSIPPI JACKSON COUNTY	66	26	12	16	20	24	26	28	34	37	42	45	213	37	31	1.73	
MISSOURI SHANNON COUNTY	66	24	13	16	20	23	28	30	34	38	42	55	62	32	30	1.52	
MONTANA GLACIER NAT PARK	66	24	3	4	5	6	9	11	12	21	24	33	54	16	12	2.29	
NEBRASKA THOMAS COUNTY	66	26	6	8	10	18	20	23	33	37	42	47	66	27	22	1.99	
NEVADA WHITE PINE CO	66	23		1	3	4	5	10	11	12	14	16	28	9	6	2.86	
NEW HAMPSHIRE COOS COUNTY	66	25	5	11	14	16	18	19	24	31	49	55	81	28	23	1.94	
NEW MEXICO RIO ARriba COUNTY	66	24	10	10	15	16	20	23	25	31	40	47	54	26	23	1.67	
NEW YORK CAPE VINCENT	66	26	8	9	10	12	19	28	33	40	47	52	88	31	25	2.06	
NORTH CAROLINA CAPE HATTERAS	66	23	19	28	36	39	44	65	77	100	111	121	122	68	59	1.76	
NORTH DAKOTA WARD COUNTY	66	26	4	11	14	22	24	33	40	45	77	102	141	45	32	2.39	
OKLAHOMA CHEROKEE COUNTY	66	26	25	30	33	36	37	40	44	47	58	65	287	53	45	1.62	
OREGON CURRY COUNTY	66	24	38	44	50	53	62	71	84	102	112	123	133	79	73	1.49	
PENNSYLVANIA CLARION COUNTY	66	24	17	22	25	27	31	37	44	50	55	65	97	41	37	1.56	

Table 8 (continued). SUSPENDED PARTICULATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
RHODE ISLAND WASHINGTON CO	66	23	17	19	25	27	33	37	40	52	71	91	116	46	40	1.79
SOUTH CAROLINA RICHLAND COUNTY	66	26	13	20	25	28	30	33	42	45	50	53	80	38	35	1.55
SOUTH DAKOTA BLACK HILLS	66	25	1	5	7	9	11	12	20	23	40	45	48	20	14	2.64
TEXAS MATAGORDA COUNTY	66	24	15	17	19	21	24	27	29	32	37	47	280	38	29	1.79
VERMONT ORANGE COUNTY	66	26	20	26	29	33	35	37	40	47	53	65	117	45	41	1.54
VIRGINIA SHENANDOAH PARK	66	25	8	16	17	24	29	31	33	44	50	60	75	34	30	1.68
WYOMING YELLOWSTONE PARK	66	25	1	2	3	4	7	9	10	17	20	26	30	11	8	2.74

**Table 9. SUSPENDED PARTICULATES, ADDITIONAL SITE AND NONQUALIFYING STATION AVERAGES AND EXTREMES**

Station Location	Years	No. of Samples	µg/m <sup>3</sup>			Station Location	Years	No. of Samples	µg/m <sup>3</sup>			
			Minimum	Maximum	Average				Minimum	Maximum	Average	
ARKANSAS TEXARKANA	66	24	32	527	86	NEW YORK ALBANY	*	66	28	56	317	147
CALIFORNIA SAN JOSÉ	*	65	25	20	194	BIG FLATS	*	66	38	23	126	58
REDDING	*	66	19	8	149	BINGHAMTON	*	66	33	27	319	78
SANTA BARBARA	*	66	19	30	91	COHOES	*	66	19	33	235	88
FLORIDA BELL GLADE	*	66	11	61	84	COLESVILLE	*	66	35	5	111	51
BOCA RATON	*	66	31	23	52	COLONIE (SITE 1)	*	66	12	25	186	96
DELRAY BEACH	*	66	44	24	36	(SITE 2)	*	66	20	20	164	60
LAKE WORTH	*	66	78	11	32	ENDICOTT (SITE 1)	*	66	34	3	252	63
PAHOKEE	*	66	13	34	71	(SITE 2)	*	66	36	27	366	107
RIVIERA BEACH	*	66	141	22	47	IRONDEQUOIT	*	66	39	19	160	76
ROYAL PALM BEACH*	66	53	15	32	22	ISLTIP	*	66	45	29	202	72
WEST PALM BEACH*	66	69	11	95	39	JOHNSON CITY	*	66	16	37	145	85
ILLINOIS ARGO	*	66	137	40	165	NIAGARA FALLS	*	66	33	53	442	140
BLUE ISLAND	*	66	136	21	121	RTGA	*	66	39	17	111	53
CALUMET CITY	*	66	138	28	109	ROCHESTER (SITE 1)	*	66	38	32	228	90
CHICAGO HEIGHTS*	66	128	15	434	(SITE 2)	*	66	31	30	181	97	
CICERO	*	66	135	14	158	WEBSTER	*	66	36	13	111	49
FLOSSMOOR	*	66	129	17	100	YONKERS	*	66	12	38	148	86
FRANKLIN PARK	*	66	134	24	110	NORTH CAROLINA DURHAM COUNTY (CENTER CITY)	*	66	27	107	171	139
HARVEY	*	66	131	25	123	(INDUSTRIAL)	*	66	27	115	197	145
HILLSIDE	*	66	138	18	103	(RESIDENTIAL)*	*	66	22	95	141	123
MIDLOTHIAN	*	66	138	22	103	(RURAL)	*	66	27	80	137	114
NTLES	*	66	131	20	100	PENNSYLVANIA WEST CHESTER		66	20	29	100	60
ORLAND PARK	*	66	139	17	98	SOUTH CAROLINA ANDERSON	*	66	11	32	204	99
PALATINE	*	66	135	11	79	CHAPIN	*	66	21	16	90	48
RIVER FOREST	*	66	135	24	98	LANCASTER	*	66	11	44	170	91
WILMETTE	*	66	129	14	81	ROCK HILL	*	66	34	25	164	72
INDIANA TERRE HAUTE		66	21	48	165	SPARTANBURG	*	66	19	30	169	76
MAINE PORTLAND		66	19	20	66	TEXAS PASADENA	*	66	10	34	163	72
MASSACHUSETTS SPRINGFIELD (SITE 1)		66	138	24	69	WISCONSIN DODGE CO (NONURBAN)		66	19	5	77	22
(SITE 2)		66	109	46	145	WYOMING CASPER		66	4	18	37	24

Table 10. BENZENE-SOLUBLE ORGANICS, STATE AND NATIONAL URBAN  
QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA	66	7.1	7.5	13.2	15.9	10.9	MONTANA	66	4.2	3.6	1.2	3.8	3.2
ALASKA	66	17.4	7.0	5.0	3.6	7.0	NEBRASKA	66	5.9	5.1	5.4	8.4	6.2
ARIZONA	66	8.1	3.1	3.7	9.5	6.1	NEVADA	66	7.8	7.5	5.5	9.4	7.6
ARKANSAS	66	5.0	6.2	7.2	8.0	6.8	NEW HAMPSHIRE	66	2.9	3.0	2.4	2.1	2.6
CALIFORNIA	66	15.9	6.1	9.7	12.9	10.9	NEW JERSEY	66	8.3	4.8	5.8	9.8	7.2
COLORADO	66	11.9	5.7	7.5	14.7	10.0	NEW MEXICO	66	8.6	3.9	2.8	15.5	7.7
CONNECTICUT	66	8.3	5.2	5.2	9.4	7.0	NEW YORK	66	14.0	8.4	7.5	11.4	10.3
DELAWARE	66	8.6	5.4	5.6	8.1	6.9	NORTH CAROLINA	66	15.0	5.5	4.7	18.5	11.2
DIST. OF COL.	66	8.3	7.6	3.5	9.5	6.0	OHIO	66	7.8	5.6	6.6	8.4	7.1
GEORGIA	66	9.0	6.3	6.3	8.0	7.4	OKLAHOMA	66	7.1	2.5	2.4	5.8	4.5
HAWAII	66	3.9	2.4	2.2	2.6	2.8	OREGON	66	8.1	2.7	4.1	9.5	6.1
IDAHO	66	6.8	5.1	7.0	9.3	7.1	PENNSYLVANIA	66	8.3	3.1	4.8	10.7	6.7
ILLINOIS	66	10.2	4.6	7.8	6.7	7.3	PUERTO RICO	66	4.4	1.9	1.2	4.0	2.9
INDIANA	66	9.3	7.6	8.2	8.7	8.4	RHODE ISLAND	66	16.5	3.6	4.6	14.9	9.9
IOWA	66	8.4	4.8	7.2	7.2	6.9	SOUTH CAROLINA	66	10.5	4.9	4.1	12.3	7.9
KANSAS	66	4.7	2.1	4.3	6.6	4.4	SOUTH DAKOTA	66	3.4	0.6	1.7	2.6	2.1
KENTUCKY	66	9.6	6.4	7.3	10.4	8.5	TENNESSEE	66	9.2	5.5	3.6	15.3	9.4
LOUISIANA	66	8.9	5.2	5.7	8.9	7.2	TEXAS	66	6.0	3.5	3.4	8.7	5.4
MAINE	66		2.8	3.5			UTAH	66	4.1	1.2	1.0	5.5	2.9
MARYLAND	66	7.6	4.0	9.6	15.7	9.2	VERMONT	66	4.4	1.3	1.7	3.6	2.8
MICHIGAN	66	9.2	3.7	8.5	8.2	7.4	VIRGINIA	66	8.4	1.5	2.4	11.6	5.9
MINNESOTA	66	6.4	3.3	4.9	5.5	5.0	WASHINGTON	66	11.3	4.3	5.2	9.0	7.5
MISSISSIPPI	66	5.0	3.9	2.7	9.5	5.3	WEST VIRGINIA	66	10.0	2.1	3.9	6.1	5.5
MISSOURI	66	9.5	5.8	4.9	6.7	6.7	WISCONSIN	66	7.5	2.9	5.4	7.6	5.9
							WYOMING	66	2.7	0.6	1.2	3.3	2.0

Table 11. BENZENE-SOLUBLE ORGANICS, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	66	10.3	6.1	9.4	14.0	10.0	INDIANA GARFIELD HEIGHTS	66	13.4	11.6	10.7	15.1	12.7
GADSDEN	66	5.5	4.3	5.1	8.2	5.8	MUNCIE	66	6.2	5.2	7.1	8.5	6.8
MOBILE	66	5.6	12.1	25.1	25.6	17.1	NEW ALBANY	66	3.0	4.6	4.9	11.8	6.1
ALASKA ANCHORAGE	66	17.4	2.0	5.0	3.6	7.0	SOUTH BEND	66	5.4	5.7	8.3	5.1	6.1
ARIZONA PARADISE VALLEY	66	2.0	1.4	1.8	3.5	2.2	TERRE HAUTE	66	18.5	10.3	13.2		
PHOENIX	66	16.4	4.9	6.5	19.6	11.9	IOWA DAVENPORT	66	7.9	5.0	8.3	5.5	6.7
TUCSON	66	6.0	2.9	2.8	5.3	4.3	DES MOINES	66	8.4	5.5	7.7	8.7	7.6
ARKANSAS LITTLE ROCK	66	7.3	8.9	9.6	9.5	8.8	DUBUQUE	66	8.9	4.0	5.7	7.5	6.5
TEXARKANA	66	5.1	4.0	6.1			KANSAS KANSAS CITY	66	5.5	3.0	6.1	5.7	5.1
WEST MEMPHIS	66	2.6	5.8	5.8	8.3	5.6	WICHITA	66	3.9	1.2	2.5	7.5	3.8
CALIFORNIA BURBANK	66	18.6	6.1	12.1	15.1	13.0	KENTUCKY ASHLAND	66	11.6	9.6	7.7	13.8	10.7
LOS ANGELES	66	26.0	7.6	12.0	15.0	15.2	COVINGTON	66	9.4	4.8	7.1	9.0	7.6
OAKLAND	66	11.5	5.6	4.7	11.2	8.3	LOUISVILLE	66	7.9	4.7	7.5	8.3	7.1
PASADENA	66	19.4	10.2	16.4	17.8	16.0	LOUISIANA NEW ORLEANS	66	8.9	5.2	5.7	8.9	7.2
SAN DIEGO	66	12.0	3.3	2.8	10.2	7.1	MAINE PORTLAND	66		2.8	3.5		
SAN FRANCISCO	66	7.8	3.8	4.0	8.2	6.0	MARYLAND BALTIMORE	66	7.6	4.0	9.6	15.7	9.2
COLORADO DENVER	66	11.9	5.7	7.5	14.7	10.0	MICHIGAN DETROIT	66	9.2	3.7	8.5	8.2	7.4
CONNECTICUT HARTFORD	66	7.7	5.0	3.9	9.0	6.4	MINNESOTA DULUTH	66	6.3	1.7	4.8	4.0	4.2
NEW HAVEN	66	8.8	5.4	6.5	9.8	7.6	MINNEAPOLIS	66	5.6	4.5	4.9	5.0	5.0
DELAWARE NEWARK	66	6.4	3.7	4.4	5.0	4.9	MOORHEAD	66	5.9	1.2	3.1	2.9	3.3
WILMINGTON	66	10.8	7.0	6.8	11.1	8.9	ST PAUL	66	7.7	5.9	6.7	10.2	7.6
DIST. OF COLUMBIA WASHINGTON	66	8.3	2.6	3.5	9.5	6.0	MISSISSIPPI JACKSON	66	5.0	3.9	2.7	9.6	5.3
GEORGIA ATLANTA	66	9.0	6.3	6.3	8.0	7.4	MISSOURI KANSAS CITY	66	8.7	4.6	4.2	5.2	5.7
HAWAII HONOLULU	66	3.9	2.4	2.2	2.6	2.8	ST LOUIS	66	10.3	7.0	5.6	8.2	7.8
IDAHO BOISE	66	6.8	5.1	7.0	9.3	7.1	MONTANA HELENA	66	4.2	3.6	1.2	3.8	3.2
ILLINOIS CHICAGO	66	10.2	4.6	7.8	6.7	7.3	NEBRASKA OMAHA	66	5.9	5.1	5.4	8.4	6.2
INDIANA EAST CHICAGO	66	9.1	5.1	7.0	6.7	7.0	NEVADA LAS VEGAS	66	7.8	7.5	5.5	9.4	7.6
HAMMOND	66	9.3	10.6	6.5	4.7	7.8	NEW HAMPSHIRE CONCORD	66	2.9	3.0	2.4	2.1	2.6

Table 11 (continued). BENZENE-SOLUBLE ORGANICS, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW JERSEY CAMDEN	66	11.0	5.8	7.6	14.2	9.7	PUERTO RICO BAYAMON	66	4.4	1.8	.8	3.6	2.7
GLASSBORO	66	4.1	2.6	2.3	3.8	3.2	GUAYANILLA	66	1.6	.5	.3	2.5	1.2
JERSEY CITY	66	12.2	5.8	9.6	15.4	10.8	PONCE	66	5.2	.9	2.0	5.4	3.4
MARLTON	66	6.9	5.1	7.3	6.4	6.4	SAN JUAN	66	6.4	4.4	1.8	4.3	4.2
NEWARK	66	7.9	5.0	4.3	9.7	6.9	RHODE ISLAND PROVIDENCE	66	16.5	3.6	4.6	14.9	9.9
PERTH AMBOY	66	8.6	5.6	5.9	10.2	7.6	SOUTH CAROLINA COLUMBIA	66	9.0	3.1	2.4		
TRENTON	66	7.4	3.1	3.3	8.8	5.7	GREENVILLE	66	11.9	6.7	5.7	12.3	9.2
NEW MEXICO ALBUQUERQUE	66	8.6	3.9	2.8	15.5	7.7	SOUTH DAKOTA SIOUX FALLS	66	3.4	.6	1.7	2.6	2.1
NEW YORK NEW YORK	66	14.0	8.4	7.5	11.4	10.3	TENNESSEE CHATTANOOGA	66	11.1	4.8	2.4	21.4	9.9
NORTH CAROLINA CHARLOTTE	66	15.0	6.5	4.7	18.5	11.2	MEMPHIS	66	7.5	5.8	4.3	11.7	7.3
OHIO AKRON	66	6.6	8.0	7.2	9.7	7.9	NASHVILLE	66	8.9	5.9	4.1	12.8	7.9
CINCINNATI	66	8.0	7.2	7.1	9.4	7.9	TEXAS DALLAS	66	7.2	5.4	4.8	14.5	8.0
CLEVELAND	66	8.0	5.8	7.5	5.9	6.8	HOUSTON	66	5.6	3.2	3.2	6.3	4.6
COLUMBUS	66	8.9	4.7	7.4	8.4	7.4	PASADENA	66				6.5	
DAYTON	66	8.1	4.9	6.3	8.9	7.1	SAN ANTONIO	66	5.2	1.9	2.2	7.5	4.2
TOLEDO	66	5.3	3.2	3.8	4.8	4.3	UTAH OGDEN	66	4.9	.8	1.4	4.9	3.0
YOUNGSTOWN	66	10.0	5.2	7.0	11.7	8.5	SALT LAKE CITY	66	3.2	1.6	.6	6.1	2.9
OKLAHOMA OKLAHOMA CITY	66	9.4	3.7	3.2	7.7	6.0	VERMONT BURLINGTON	66	4.4	1.3	1.7	3.6	2.8
TULSA	66	4.7	1.2	1.5	3.9	2.8	VIRGINIA DANVILLE	66	9.5	1.6	1.9	13.1	6.5
OREGON PORTLAND	66	8.1	2.7	4.1	9.5	6.1	NORFOLK	66	7.2	1.3	2.9	10.0	5.6
PENNSYLVANIA LANCASTER	66	10.8	4.2	8.3	14.1	9.4	WASHINGTON SEATTLE	66	11.3	4.3	5.2	9.0	7.5
PHILADELPHIA	66	11.0	5.3	5.8	10.3	8.1	WEST VIRGINIA CHARLESTON	66	10.0	2.1	3.9	6.1	5.5
PITTSBURGH	66	7.8	4.8	6.1	9.7	7.1	WISCONSIN MILWAUKEE	66	7.5	2.9	5.4	7.6	5.9
READING	66	10.7	1.5	2.6	15.1	7.5	WYOMING CHEYENNE	66	2.7	.6	1.2	3.3	2.0
WARMINSTER	66	5.8	1.4	1.3	4.2	3.2							
WEST CHESTER	66	3.7	1.6										

Table 12. BENZENE-SOLUBLE ORGANICS, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter						
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.		
ARIZONA GRAND CANYON PK	66	1.8	3.5	3.2	3.5	3.0		
ARKANSAS MONTGOMERY CO	66	3.0	3.3	2.1	4.2	3.2		
CALIFORNIA HUMBOLDT CO	66	1.8	.7	2.2	5.7	2.6		
COLORADO MONTEZUMA CO	66	.9	.7	1.0	2.0	1.2		
DELAWARE KENT COUNTY	66	4.1	5.1	5.1	5.5	5.0		
IDAHO BUTTE COUNTY	66	1.5	1.0	.9				
INDIANA MONROE ST FRST	66	4.4	5.1	3.7	3.1	4.1		
PARKE COUNTY	66	2.1	2.6	2.4	2.7	2.5		
IOWA DELAWARE CO	66	1.9	1.8		3.0			
MAINE ACADIA NAT PK	66	1.4	.4	2.7	1.4	1.5		
MARYLAND CALVERT COUNTY	66	2.8	2.0	1.8	4.2	2.7		
MISSISSIPPI JACKSON COUNTY	66	2.4	1.6	2.7	2.8	2.4		
MISSOURI SHANNON COUNTY	66	1.5	.9	1.2	2.1	1.4		
MONTANA GLACIER NAT PK	66	1.1	1.2	2.0	1.5	1.5		
NEBRASKA THOMAS COUNTY	66	1.8	1.4	1.6	2.3	1.8		
NEVADA WHITE PINE CO	66	.9	.0	.7	.9	.6		
NEW HAMPSHIRE COOS COUNTY	66	1.5	1.3	2.5	2.8	2.0		
NEW MEXICO RIO ARRIBA CO	66	1.1	1.1	.8	1.5	1.1		
NEW YORK CAPE VINCENT	66	1.9	.5	.8	1.9	1.3		
NORTH CAROLINA CAPE HATTERAS	66	1.4	.6	1.5	2.3	1.5		
OKLAHOMA CHEROKEE CO	66	2.9	2.1	2.2	3.1	2.6		
OREGON CURRY COUNTY	66	1.6	.5	1.3	2.5	1.5		
PENNSYLVANIA CLARION COUNTY	66	4.1	1.2	2.0	2.7	2.5		
RHODE ISLAND WASHINGTON CO	66	3.2	1.0	1.7	3.6	2.4		
SOUTH CAROLINA RICHLAND CO	66	5.4	1.4	2.1	2.9	3.0		
SOUTH DAKOTA BLACK HILLS	66	1.0	.3	1.7	1.0	1.0		
TEXAS MATAGORA CO	66	2.6	3.6	3.3	3.0	3.1		
VERMONT ORANGE COUNTY	66	4.7	3.5	2.6	3.1	3.5		
VIRGINIA SHENANDOAH PK	66	2.9	2.1	2.2	2.2	2.4		
WISCONSIN DOOR COUNTY	66	1.7	2.7					
WYOMING YELLOWSTONE PK	66	1.1	.0	.6	.9	.7		

Table 13. BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter					Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	66	16.30	16.30	5.36	36.00	18.49	INDIANA EAST CHICAGO	66	7.52	7.52	7.07	5.00	6.78
GADSDEN	66	2.97	2.97	1.76	6.26	3.49	HAMMOND	66	5.72	5.72	2.48	1.49	3.85
MOBILE	66	2.39	2.39	6.71	14.30	6.45	INDIANAPOLIS	66	1.00	1.00	7.07	12.40	10.37
ALASKA ANCHORAGE	66	3.92	3.92	0.63	0.63	2.28	MUNCIE	66	2.07	2.07	2.57	2.75	2.37
ARIZONA PARADISE VAL.	66	0.00	0.00	1.04	0.23	0.32	NEW ALBANY	66	2.93	2.93	0.99	14.70	5.39
PHOENIX	66	1.35	1.35	2.66	1.40	1.69	SOUTH BEND	66	1.17	1.17	2.84	3.78	2.24
TUCSON	66	0.50	0.50	0.41	0.95	0.59	TERRE HAUTE	66	6.89	6.89	8.06		
ARKANSAS LITTLE ROCK	66	0.72	0.72	1.26	1.98	1.17	IOWA DAVENPORT	66	5.09	5.09	1.58	0.95	3.18
TEXARKANA	66	0.27	0.27	0.86			DES MOINES	66	2.79	2.79	2.16	2.43	2.54
WEST MEMPHIS	66	0.90	0.90	0.54	2.07	1.10	DUBUQUE	66	5.09	5.09	1.71	2.25	3.54
CALIFORNIA BURBANK	66	2.11	2.11	0.50	5.13	2.46	KANSAS KANSAS CITY	66	1.08	1.08	1.49	1.08	1.18
LOS ANGLES	66	2.40	2.40	0.86	2.57	2.06	WICHITA	66	0.68	0.68	0.32	1.44	0.78
OAKLAND	66	3.06	3.06	1.22	3.56	2.73	KENTUCKY ASHLAND	66	12.20	12.20	6.57	10.90	10.47
PASADENA	66	1.71	1.71	0.50	3.38	1.83	COVINGTON	66	2.88	2.88	2.25	4.32	3.08
SAN DIEGO	66	1.17	1.17	0.41	4.10	1.71	LOUISVILLE	66	2.57	2.57	1.67	3.24	2.51
SAN FRANCISCO	66	1.08	1.08	0.95	1.22	1.08	LOUISIANA NEW ORLEANS	66	2.03	2.03	1.58	3.47	2.28
COLORADO DENVER	66	1.04	1.04	2.25	4.86	2.30	MAINE PORTLAND	66	1.80	1.80	1.71	1.77	1.77
CONNECTICUT HARTFORD	66	2.48	2.48	1.35	2.70	2.25	MARYLAND BALTIMORE	66	2.30	2.30	1.71	4.73	2.76
NEW HAVEN	66	3.24	3.24	2.39	5.04	3.48	MICHIGAN DETROIT	66	4.59	4.59	2.70	7.02	4.73
DELAWARE NEWARK	66	0.72	0.72	1.35	1.08	0.97	MINNESOTA DULUTH	66	1.49	1.49	3.98	1.98	2.23
WILMINGTON	66	1.62	1.62	1.58	3.78	2.15	MINNEAPOLIS	66	1.08	1.08	0.99	3.42	1.64
DIST. OF COL. WASHINGTON	66	0.90	0.90	0.68	6.93	2.35	MOORHEAD	66	0.45	0.45	0.63	1.40	0.73
GEORGIA ATLANTA	66	1.13	1.13	1.44	1.85	1.39	ST. PAUL	66	1.76	1.76	1.26	2.43	1.80
HAWAII HONOLULU	66	0.09	0.09	0.23	0.23	0.16	MISSISSIPPI JACKSON	66	0.86	0.86	0.99	2.34	1.28
IDAHO BOISE	66	2.66	2.66	1.67	6.80	3.45	MISSOURI KANSAS CITY	66	2.34	2.34	1.22	1.08	1.75
ILLINOIS CHICAGO	66	2.66	2.66	3.06	4.95	3.33	ST. LOUIS	66	6.98	6.98	1.61	5.63	5.33

Table 13 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
MONTANA HELENA	66	2.34	2.34	0.18	0.77	1.41
NEBRASKA OMAHA	66	3.92	3.92	1.31	1.67	2.71
NEVADA LAS VEGAS	66	0.99	0.99	0.41	2.66	1.26
NEW HAMPSHIRE CONCORD	66	0.54	0.54	0.41	0.77	0.57
NEW JERSEY CAMDEN	66	2.70	2.70	2.07	4.41	2.97
GLASSBORO	66	0.81	0.81	0.18	1.13	0.73
JERSEY CITY	66	5.09	5.09	2.30	4.19	4.17
MARLTON	66	1.40	1.40	1.17	0.95	1.23
NEWARK	66	2.25	2.25	0.54	3.20	2.06
PERTH AMBOY	66	1.89	1.89	1.89	2.66	2.08
TRENTON	66	2.16	2.16	0.63	3.69	2.16
NEW MEXICO ALBUQUERQUE	66	2.30	2.30	0.36	3.11	2.02
NEW YORK NEW YORK CITY	66	4.91	4.91	1.58	5.00	4.10
NORTH CAROLINA CHARLOTTE	66	5.09	5.09	0.77	11.90	5.71
OHIO AKRON	66	4.68	4.68	1.53	5.45	4.09
CINCINNATI	66	4.32	4.32	1.13	4.41	3.55
CLEVELAND	66	3.56	3.56	2.07	3.38	3.14
COLUMBUS	66	4.05	4.05	1.62	1.94	2.92
DAYTON	66	2.75	2.75	2.03	3.29	2.71
TOLEDO	66	2.21	2.21	0.90	1.85	1.79
YOUNGSTOWN	66	5.67	5.67	5.99	11.80	7.28
OKLAHOMA OKLAHOMA CITY	66	1.76	1.76	1.08	1.22	1.46
TULSA	66	0.86	0.86	0.41	0.68	0.70
OREGON PORTLAND	66	2.93	2.93	1.04	6.26	3.29
PENNSYLVANIA LANCASTER	66	1.76	1.76	0.32	5.22	2.27
PHILADELPHIA	66	4.10	4.10	1.58	5.36	3.79
PITTSBURGH	66	6.08	6.08	5.27	2.03	4.87

Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
PENNSYLVANIA (Continued)						
READING	66	2.07	2.07	0.63	4.37	2.29
WARMINSTER	66	0.90	0.90	0.18	1.76	0.94
WESTCHESTER	66	0.90	0.90			
PUERTO RICO BAYAMON	66	0.50	0.50	0.14	0.74	0.47
GUAYANILLA	66	0.27	0.27	0.18	1.40	0.53
PONCE	66	0.50	0.50	0.50	0.95	0.61
SAN JUAN	66	1.49	1.49	0.41	0.90	1.07
RHODE ISLAND PROVIDENCE	66	2.84	2.84	1.44	7.43	3.64
SOUTH CAROLINA COLUMBIA	66	2.39	2.39	0.45		
GREENVILLE	66	5.00	5.00	0.81	9.18	5.00
SOUTH DAKOTA SIOUX FALLS	66	0.95	0.95	0.54	0.77	0.80
TENNESSEE CHATTANOOGA	66	6.21	6.21	1.67	19.30	8.35
MEMPHIS	66	0.81	0.81	0.77	4.23	1.66
NASHVILLE	66	5.45	5.45	1.17	9.81	5.47
TEXAS DALLAS	66	1.13	1.13	1.31	1.89	1.37
HOUSTON	66	0.99	0.99	0.63	0.95	0.89
PASADENA	66				1.22	
SAN ANTONIO	66	0.41	0.41	0.32	1.04	0.55
UTAH OGDEN	66	0.14	0.14	0.41	1.49	0.55
SALT LK CITY	66	0.18	0.18	0.05	4.55	1.24
VERMONT BURLINGTON	66	1.13	1.13	0.50	0.41	0.79
VIRGINIA DANVILLE	66	1.40	1.40	0.86	9.05	3.18
NORFOLK	66	2.16	2.16	0.41	6.62	2.84
WASHINGTON SEATTLE	66	2.21	2.21	0.81	4.60	2.71
WEST VIRGINIA CHARLESTON	66	4.55	4.55	1.49	2.97	3.39
WISCONSIN MILWAUKEE	66	6.17	6.17	1.31	2.75	4.10
WYOMING CHEYENNE	66	0.54	0.54	0.37	0.63	0.52

Table 14. BENZO(a)PYRENE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Nanograms Per Cubic Meter					Station Location	Yr.	Nanograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	66	0.28	0.28	0.36	0.22	0.29	NEW HAMPSHIRE COOS CO	66	0.24	0.24	0.16	0.28	0.23
ARKANSAS MONTGOMERY CO	66	0.36	0.36	0.12	0.42	0.32	NEW MEXICO RIO ARRIBA CO	66	0.18	0.18	0.10	0.28	0.19
CALIFORNIA HUMBOLDT CO	66	0.26	0.26	0.32	0.56	0.35	NEW YORK CAPE VINCENT	66	0.20	0.20	0.32	0.16	0.22
COLORADO MONTEZUMA CO	66	0.06	0.06	0.10	0.06	0.07	NORTH CAROLINA CAPE HATTERAS	66	0.16	0.16	0.18	0.38	0.22
DELAWARE KENT CO	66	0.74	0.74	0.46	0.38	0.58	OKLAHOMA CHEROKEE CO	66	0.24	0.24	0.08	0.22	0.20
IDAHO BUTTE CO	66	0.10	0.10	0.10			OREGON CURRY CO	66	0.10	0.10	0.10	0.12	0.11
INDIANA MONROE ST FRST	66	0.44	0.44	0.48	0.50	0.47	PENNSYLVANIA CLARION CO	66	1.70	1.70	0.66	1.72	1.45
PARKE CO	66	1.34	1.34	0.26	0.54	0.87	RHODE ISLAND WASHINGTON CO	66	0.28	0.28	0.22	0.32	0.28
IOWA DELAWARE CO	66	0.74	0.74		0.18		SOUTH CAROLINA RICHLAND CO	66	2.12	2.12	0.18	0.46	1.22
MAINE ACADIA NATL PK	66	0.12	0.12	0.40	0.08	0.18	SOUTH DAKOTA BLACK HILLS FRST	66	0.12	0.12	0.16	0.18	0.15
MARYLAND CALVERT CO	66	1.00	1.00	0.24	0.22	0.62	TEXAS MATAGORA CO	66	0.28	0.28	0.26	0.44	0.32
MISSISSIPPI JACKSON CO	66	0.20	0.20	0.06	0.14	0.15	VERMONT ORANGE CO	66	1.36	1.36	0.36	0.68	0.94
MISSOURI SHANNON CO	66	0.08	0.08	0.04	0.08	0.07	VIRGINIA SHEPHERDSTOWN	66	1.32	1.32	0.32	0.68	0.91
MONTANA GLACIER NATL PK	66	0.24	0.24	0.46	0.28	0.31	WISCONSIN DOOR CO	66	0.28	0.28			
NEBRASKA THOMAS CO	66	0.12	0.12	0.08	0.26	0.15	WYOMING YELLOWSTONE PK	66	0.06	0.06	0.02	0.08	0.06
NEVADA WHITE PINE CO	66	0.04	0.04	0.02	0.08	0.05							

Table 15. BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m<sup>3</sup>)

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
ALABAMA	66	NUMBER MAXIMUM AVERAGE MINIMUM	6 0.2 0.1 0.1	6 0.2 0.1 0.0	8 0.3 0.2 0.1	7 0.3 0.2 0.1	5 0.6 0.4 0.2	7 0.8 0.5 0.3	6 0.2 0.2 0.0	8 0.1 0.1 0.0	6 0.1 0.1 0.0	5 0.1 0.0 0.0	7 2.1 0.6 0.1	6 0.2 0.1 0.1
ALASKA	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.0 0.0 0.0	1 0.2 0.2 0.2	3 0.1 0.1 0.1	2 0.3 0.2 0.1	2 0.2 0.2 0.1	2 0.1 0.1 0.0	1 0.0 0.0 0.0	2 0.0 0.0 0.0	2 0.2 0.2 0.2	2 0.2 0.2 0.1	
ARIZONA	66	NUMBER MAXIMUM AVERAGE MINIMUM	8 0.2 0.1 0.1	9 0.3 0.2 0.0	11 0.7 0.6 0.1	8 10.6 3.8 0.2	8 1.8 1.0 0.7	7 0.3 0.2 0.1	11 0.2 0.1 0.1	8 0.3 0.1 0.0	7 0.1 0.1 0.1	7 0.3 0.2 0.1	8 0.2 0.1 0.1	
ARKANSAS	66	NUMBER MAXIMUM AVERAGE MINIMUM	9 0.2 0.1 0.1	7 0.2 0.2 0.1	9 0.2 0.2 0.1	6 1.5 0.6 0.2	6 0.7 0.5 0.3	5 0.2 0.2 0.1	9 0.2 0.1 0.1	6 0.1 0.1 0.1	5 0.1 0.1 0.1	7 4.4 1.1 0.1	6 0.1 0.1 0.0	
CALIFORNIA	66	NUMBER MAXIMUM AVERAGE MINIMUM	14 0.2 0.1 0.0	14 0.3 0.2 0.0	20 0.7 0.2 0.1	12 0.4 0.2 0.1	14 4.6 0.8 0.0	16 0.4 0.2 0.1	14 0.2 0.1 0.0	18 0.1 0.1 0.0	12 0.1 0.1 0.0	13 0.1 0.2 0.0	16 0.7 0.2 0.0	
COLORADO	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.2	4 0.3 0.2 0.2	5 0.4 0.3 0.2	3 0.5 1.8 0.2	4 1.8 0.9 0.5	4 0.3 0.2 0.1	6 0.1 0.1 0.1	4 0.1 0.1 0.1	3 0.1 0.1 0.0	4 0.2 0.2 0.1	4 1.5 0.5 0.1	
CONNECTICUT	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	4 0.1 0.1 0.0	6 0.2 0.1 0.1	4 0.3 0.2 0.1	4 0.5 0.4 0.4	4 0.3 0.3 0.3	6 0.2 0.1 0.0	4 0.1 0.1 0.0	4 0.1 0.2 0.0	4 0.3 0.1 0.1	3 0.1 0.2 0.1	
DELAWARE	66	NUMBER MAXIMUM AVERAGE MINIMUM	5 1.9 0.9 0.1	7 0.2 0.1 0.1	9 0.3 0.2 0.1	5 0.4 0.2 0.0	6 1.8 0.9 0.1	5 0.7 0.5 0.4	6 0.4 0.3 0.2	9 0.3 0.2 0.1	6 0.1 0.1 0.0	6 0.1 0.1 0.0	5 0.5 0.2 0.0	
DIST. OF COL.	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.1 0.1 0.1	3 0.1 0.1 0.1	2 0.1 0.1 0.1	2 0.6 0.5 0.3	2 0.3 0.3 0.3	1 0.3 0.3 0.1	3 0.2 0.1 0.1	1 0.1 0.1 0.1	3 0.1 0.1 0.1	2 0.1 0.1 0.1	
GEORGIA	66	NUMBER MAXIMUM AVERAGE MINIMUM	18 0.2 0.1 0.0	17 0.2 0.1 0.0	26 0.6 0.2 0.0	17 0.3 0.1 0.0	18 1.0 0.2 0.0	17 0.7 0.3 0.2	25 0.2 0.1 0.0	17 0.1 0.0 0.0	16 0.1 0.1 0.0	17 0.5 0.2 0.0	19 0.2 0.1 0.0	
HAWAII	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.1 0.1 0.1	2 0.2 0.1 0.0	3 0.2 1.0 0.2	2 0.3 0.3 0.2	2 0.2 0.2 0.2	2 0.1 0.1 0.1	3 0.1 0.0 0.0	2 0.0 0.0 0.0	2 0.5 0.3 0.1	2 0.1 0.1 0.1	
IDAHO	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.2 0.2 0.1	2 0.3 0.2 0.1	3 0.1 0.1 0.1	2 0.6 0.5 0.3	2 0.6 0.5 0.3	2 0.4 0.4 0.3	3 0.2 0.2 0.1	2 0.2 0.1 0.1	1 0.1 0.1 0.1	2 0.4 0.4 0.3	2 0.2 0.2 0.1	
ILLINOIS	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.2 0.1 0.1	2 0.1 0.1 0.1	3 0.2 0.1 0.1	2 0.3 0.2 0.1	2 0.6 0.5 0.3	2 0.3 0.3 0.2	3 0.2 0.1 0.1	2 0.1 0.1 0.1	2 0.1 0.1 0.0	2 0.1 0.1 0.1	2 0.1 0.1 0.1	
INDIANA	66	NUMBER MAXIMUM AVERAGE MINIMUM	14 0.2 0.1 0.1	14 0.2 0.1 0.1	24 0.3 0.2 0.0	13 0.2 0.1 0.1	15 0.8 0.6 0.1	16 0.7 0.5 0.3	15 0.6 0.4 0.3	21 0.3 0.2 0.1	18 0.2 0.1 0.1	15 0.1 0.1 0.1	15 3.3 0.8 0.1	

Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES ( $\text{pCi}/\text{m}^3$ )

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
IOWA	66	NUMBER MAXIMUM AVERAGE MINIMUM	8 0.2 0.2 0.1	8 0.1 0.1 0.1	11 0.2 0.2 0.1	8 0.2 0.2 0.0	8 0.8 0.6 0.1	8 0.3 0.2 0.1	10 0.2 0.1 0.1	7 0.2 0.1 0.1	8 0.1 0.1 0.1	7 2.1 0.5 0.1	8 0.2 0.1 0.0
KANSAS	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.1 0.1 0.1	4 0.2 0.2 0.1	6 0.2 0.2 0.1	3 0.3 0.3 0.2	3 0.6 0.2 0.2	3 0.6 0.2 0.2	6 0.3 0.2 0.1	4 0.1 0.1 0.1	3 0.1 0.1 0.1	4 1.5 0.6 0.2	4 0.2 0.1 0.1
KENTUCKY	66	NUMBER MAXIMUM AVERAGE MINIMUM	3 0.2 0.1 0.1	7 0.2 0.1 0.1	9 0.3 0.2 0.1	6 0.9 0.5 0.2	6 0.6 0.5 0.3	9 0.3 0.2 0.2	6 0.2 0.1 0.1	6 0.2 0.1 0.1	6 0.1 0.1 0.0	6 3.5 1.2 0.0	6 0.1 0.1 0.1
LOUISIANA	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.2 0.2 0.1	3 0.3 0.2 0.1	2 1.4 0.8 0.1	2 0.5 0.5 0.4	2 0.2 0.2 0.1	3 0.1 0.1 0.1	2 0.1 0.1 0.1	2 0.1 0.1 0.1	2 1.4 0.8 0.1	2 0.1 0.1 0.1
MAINE	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.1 0.1 0.1	3 0.2 0.1 0.1	2 1 0.3 0.1	2 0.3 0.3 0.3	2 0.2 0.3 0.2	2 0.1 0.1 0.1	3 0.1 0.1 0.1	2 0.1 0.1 0.1	2 0.1 0.1 0.0	3 0.1 0.1 0.0
MARYLAND	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.1 0.1 0.0	4 0.1 0.1 0.0	5 0.2 0.1 0.1	3 0.2 0.2 0.1	4 0.5 0.4 0.3	4 0.3 0.2 0.1	6 0.2 0.1 0.1	3 0.3 0.2 0.1	4 0.1 0.1 0.1	4 0.4 0.3 0.1	4 0.2 0.1 0.1
MICHIGAN	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.2 0.2 0.1	2 0.1 0.1 0.0	3 0.2 0.2 0.2	2 0.3 0.4 0.1	2 0.5 0.5 0.3	2 0.4 0.4 0.3	3 0.2 0.2 0.2	2 0.1 0.1 0.1	2 0.1 0.1 0.1	2 3.4 2.0 0.5	2 0.1 0.1 0.1
MINNESOTA	66	NUMBER MAXIMUM AVERAGE MINIMUM	0 0.2 0.1 0.1	8 0.2 0.1 0.1	11 0.2 0.2 0.1	8 0.3 0.2 0.1	8 0.5 0.3 0.1	8 0.3 0.2 0.1	11 0.3 0.2 0.1	9 0.1 0.1 0.0	7 0.2 0.1 0.0	9 0.3 0.2 0.0	8 0.2 0.1 0.1
MISSISSIPPI	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	4 0.1 0.1 0.0	6 0.3 0.2 0.1	3 1.1 0.9 0.1	9 0.5 0.4 0.2	6 0.3 0.2 0.1	6 0.1 0.1 0.0	4 0.1 0.1 0.0	4 0.1 0.1 0.0	4 1.9 1.0 0.2	4 0.1 0.1 0.1
MISSOURI	66	NUMBER MAXIMUM AVERAGE MINIMUM	6 0.2 0.2 0.1	4 0.2 0.1 0.1	9 0.2 0.2 0.1	6 0.2 0.1 0.1	5 0.3 0.3 0.2	3 0.4 0.3 0.2	7 0.2 0.2 0.1	7 0.2 0.1 0.1	6 0.1 0.1 0.1	6 5.1 2.1 0.1	5 0.1 0.1 0.0
MONTANA	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	4 0.1 0.1 0.1	6 0.2 0.2 0.1	4 1.1 0.6 0.1	4 0.3 0.2 0.1	4 0.4 0.3 0.2	5 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.1 0.1 0.1	4 0.2 0.2 0.0	4 0.1 0.1 0.0
NEBRASKA	66	NUMBER MAXIMUM AVERAGE MINIMUM	3 0.2 0.1 0.1	4 0.2 0.2 0.1	6 0.2 0.2 0.1	4 0.8 0.4 0.2	4 0.5 0.4 0.3	4 0.3 0.2 0.1	6 0.2 0.1 0.1	4 0.2 0.1 0.1	4 0.2 0.1 0.1	4 0.5 0.2 0.1	4 0.2 0.1 0.1
NEVADA	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.2 0.1	4 0.1 0.1 0.1	4 0.2 0.2 0.1	5 1.4 0.6 0.1	3 5.9 2.6 0.6	4 0.4 0.3 0.2	3 0.1 0.1 0.1	5 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.9 0.2 0.1	3 0.1 0.1 0.0
NEW HAMPSHIRE	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	4 0.2 0.1 0.0	6 0.2 0.2 0.1	3 0.3 0.2 0.0	4 0.8 0.5 0.2	4 0.3 0.2 0.2	6 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.1 0.1 0.0	4 0.5 0.4 0.3	4 0.1 0.1 0.0
NEW JERSEY	66	NUMBER MAXIMUM AVERAGE MINIMUM	12 0.2 0.1 0.0	15 0.2 0.1 0.0	19 0.4 0.1 0.1	14 0.3 0.2 0.1	13 0.3 0.2 0.1	11 0.6 0.5 0.3	13 0.4 0.3 0.2	20 0.2 0.1 0.1	13 0.1 0.1 0.0	13 1.4 0.6 0.2	14 0.2 0.1 0.1
NEW MEXICO	66	NUMBER MAXIMUM AVERAGE MINIMUM	4 0.3 0.2 0.1	4 0.2 0.2 0.1	5 0.3 0.2 0.1	4 3.5 1.0 0.3	5 1.9 1.1 0.3	2 0.3 0.3 0.2	6 0.1 0.1 0.1	4 0.1 0.1 0.1	4 0.1 0.1 0.1	3 0.1 0.1 0.1	4 0.2 0.1 0.1

**Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES ( $\text{pCi}/\text{m}^3$ )**

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NEW YORK	66	4 MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	5 0.2 0.1 0.1	4 0.3 0.2 0.1	4 0.4 0.2 0.1	4 0.6 0.4 0.2	4 0.3 0.3 0.2	6 0.2 0.1 0.1	4 0.1 0.1 0.1	3 0.1 0.1 0.0	4 0.5 0.3 0.1	4 0.1 0.1 0.0
NORTH CAROLINA	66	4 MAXIMUM AVERAGE MINIMUM	3 0.2 0.1 0.0	5 0.3 0.1 0.0	4 0.2 0.1 0.1	4 0.6 0.3 0.1	3 0.8 0.6 0.4	4 0.4 0.3 0.2	5 0.1 0.1 0.1	5 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.9 0.6 0.2	4 0.2 0.1
OHIO	66	14 NUMBER MAXIMUM AVERAGE MINIMUM	14 0.3 0.1 0.1	21 0.2 0.2 0.0	14 0.2 0.1 0.1	13 1.1 0.4 0.1	14 0.8 0.6 0.4	14 0.4 0.3 0.2	20 0.2 0.2 0.1	14 0.1 0.1 0.1	14 0.1 0.1 0.0	14 3.9 1.3 0.1	13 0.1 0.0
OKLAHOMA	66	8 NUMBER MAXIMUM AVERAGE MINIMUM	6 0.2 0.2 0.2	9 0.4 0.2 0.1	6 0.4 0.2 0.1	6 0.9 0.5 0.3	6 0.7 0.6 0.5	6 0.3 0.2 0.1	8 0.2 0.1 0.1	7 0.1 0.1 0.1	5 0.1 0.1 0.1	5 3.5 1.1 0.2	7 0.1 0.1 0.1
OREGON	66	4 NUMBER MAXIMUM AVERAGE MINIMUM	4 0.1 0.1 0.0	5 0.2 0.1 0.1	3 0.4 0.1 0.0	4 0.9 0.1 0.1	3 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.1 0.0 0.0	4 0.0 0.0 0.0	3 0.0 0.0 0.1	4 0.2 0.2 0.0	4 10.4 2.7 0.0
PENNSYLVANIA	66	12 NUMBER MAXIMUM AVERAGE MINIMUM	11 0.2 0.1 0.1	14 0.4 0.2 0.1	11 0.2 0.1 0.0	13 0.7 0.5 0.1	12 0.9 0.5 0.1	12 0.4 0.3 0.1	17 0.2 0.1 0.1	12 0.1 0.1 0.0	11 0.1 0.1 0.0	13 1.0 0.4 0.1	12 0.1 0.1 0.0
PUERTO RICO	66	8 NUMBER MAXIMUM AVERAGE MINIMUM	8 0.2 0.1 0.0	12 0.1 0.1 0.0	8 0.2 0.1 0.1	8 1.6 0.4 0.1	8 0.7 0.5 0.2	8 0.2 0.1 0.1	11 0.1 0.1 0.1	8 0.1 0.1 0.0	6 0.1 0.1 0.0	10 0.2 0.1 0.0	7 0.1 0.1 0.0
RHODE ISLAND	66	4 NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	6 0.3 0.2 0.0	3 0.4 0.3 0.1	3 0.3 0.2 0.1	3 0.5 0.4 0.3	4 0.3 0.3 0.2	6 0.2 0.1 0.1	3 0.1 0.1 0.1	4 0.1 0.1 0.1	4 0.7 0.4 0.2	3 0.1 0.1 0.0
SOUTH CAROLINA	66	6 NUMBER MAXIMUM AVERAGE MINIMUM	6 0.2 0.1 0.1	8 0.2 0.2 0.2	6 0.4 0.2 0.1	6 0.9 0.2 0.1	7 0.8 0.5 0.2	6 0.5 0.3 0.2	8 0.2 0.1 0.1	6 0.1 0.1 0.0	9 0.2 0.1 0.1	5 1.3 0.4 0.3	6 0.2 0.1 0.1
SOUTH DAKOTA	66	4 NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.1	6 0.2 0.2 0.0	4 0.2 0.1 0.1	3 0.5 0.3 0.2	3 1.8 0.9 0.5	4 0.3 0.3 0.2	6 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.1 0.1 0.1	4 0.2 0.1 0.1	4 0.1 0.1 0.1
TENNESSEE	66	6 NUMBER MAXIMUM AVERAGE MINIMUM	5 0.2 0.1 0.1	7 0.2 0.2 0.0	5 0.4 0.2 0.1	7 0.9 0.5 0.2	7 0.7 0.5 0.1	6 0.3 0.2 0.1	8 0.2 0.1 0.1	6 0.1 0.1 0.1	9 0.2 0.1 0.1	6 0.2 0.1 0.1	5 0.1 0.1 0.0
TEXAS	66	38 NUMBER MAXIMUM AVERAGE MINIMUM	39 0.2 0.1 0.0	60 0.4 0.2 0.1	42 0.5 0.2 0.1	42 3.3 0.9 0.1	41 1.6 0.6 0.2	42 0.4 0.2 0.1	56 0.3 0.2 0.1	37 0.1 0.1 0.1	41 0.2 0.1 0.1	42 15.4 2.1 0.1	40 7.1 0.3 0.1
UTAH	66	6 NUMBER MAXIMUM AVERAGE MINIMUM	3 0.2 0.1 0.1	6 0.2 0.1 0.1	4 0.3 0.2 0.1	4 0.9 0.5 0.2	4 1.9 0.9 0.5	4 0.3 0.2 0.1	5 0.2 0.1 0.1	4 0.1 0.1 0.1	4 0.2 0.1 0.1	3 0.3 0.2 0.1	3 0.1 0.1 0.1
VERMONT	66	4 NUMBER MAXIMUM AVERAGE MINIMUM	4 0.2 0.1 0.0	6 0.2 0.1 0.1	3 0.2 0.1 0.1	5 0.3 0.2 0.1	4 0.9 0.6 0.4	4 0.3 0.3 0.3	5 0.2 0.1 0.1	5 0.1 0.1 0.1	4 0.1 0.1 0.0	3 0.3 0.2 0.1	4 0.1 0.1 0.0
VIRGINIA	66	6 NUMBER MAXIMUM AVERAGE MINIMUM	6 1.9 0.4 0.1	6 0.3 0.2 0.1	5 1.4 0.0 0.1	7 0.8 0.4 0.2	6 0.8 0.5 0.2	6 0.4 0.3 0.2	8 0.2 0.1 0.1	5 0.1 0.1 0.0	6 0.1 0.1 0.0	5 0.3 0.2 0.1	6 0.1 0.1 0.0
WASHINGTON	66	2 NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.2 0.1 0.1	3 0.1 0.1 0.1	2 0.2 0.2 0.1	2 0.3 0.3 0.2	2 0.1 0.1 0.1	3 0.1 0.1 0.1	2 0.1 0.1 0.1	2 0.1 0.1 0.0	2 0.2 0.1 0.1	2 0.1 0.1 0.1

**Table 15 (continued). BETA RADIOACTIVITY, STATE AND NATIONAL MONTHLY AVERAGES AND EXTREMES (pCi/m<sup>3</sup>)**

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
WEST VIRGINIA	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.2 0.2 0.2	1 0.1 0.1 0.1	3 0.2 0.2 0.2	2 0.1 0.1 0.1	1 0.3 0.3 0.3	2 0.5 0.5 0.5	2 0.3 0.3 0.3	2 0.1 0.1 0.1	2 0.1 0.1 0.1	1 0.1 0.1 0.1	2 0.8 0.5 0.1	2 0.1 0.1 0.1
WISCONSIN	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.1 0.1 0.1	2 0.1 0.1 0.1	3 0.2 0.2 0.1	2 0.2 0.2 0.1	2 0.7 0.6 0.5	2 0.3 0.3 0.2	3 0.2 0.2 0.1	2 0.1 0.1 0.1	2 0.1 0.1 0.1	2 3.5 1.9 0.2	2 0.1 0.1 0.1	
WYOMING	66	NUMBER MAXIMUM AVERAGE MINIMUM	2 0.9 1.6	5 0.2 0.1	6 0.2 0.1	4 0.3 0.2	4 1.7 0.7	4 1.1 0.7	6 0.4 0.3	4 0.2 0.1	4 0.2 0.1	4 1.1 0.5	4 0.1 0.1	

Table 16. AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM	65	24														1.76
HUNTSVILLE	65	26														2.40
MONTGOMERY	65	25														2.57
ARIZONA																
PARADISE VALLEY	65	26														1.69
PHOENIX	65	26														2.68
TUCSON	65	29														1.90
CALIFORNIA																
GLENDALE	65	26	.1	.1	.1	.2	.3	.5	.7	.8	1.0	1.3	6.3	.8	.9	2.70
LONG BEACH	65	25														3.39
LOS ANGELES	65	23														3.96
OAKLAND	65	24														3.58
SAN DIEGO	65	25														2.87
SAN FRANCISCO	65	26														4.60
COLORADO																
DENVER	65	24														2.70
CONNECTICUT																
HARTFORD	65	25														4.30
NEW BRITAIN	65	26														3.05
NEW HAVEN	65	24	.3	.3	.7	.8	1.3	1.5	1.6	1.9	2.1	4.5	6.9	1.9	1.6	2.33
NORWICH	65	24														4.38
WATERBURY	65	26														4.19
DELAWARE																
NEWARK	65	24														2.90
WILMINGTON	65	23														2.78
DIST. OF C.O.L.																
WASHINGTON	65	24														3.02
FLORIDA																
FORT LAUDERDALE	64	21														1.59
GEORGIA																
ATLANTA	65	24														2.44
HAWAII																
MONOLULU	65	25														1.36
IDAHO																
BOISE	65	29														1.72
ILLINOIS																
CHICAGO	65	24														5.05
EAST ST LOUIS	65	24														5.23
JOLIET	65	23														3.74

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter										Std Geo Dev				
			Min	Frequency Distribution—Percent													
				10	20	30	40	50	60	70	80	90					
ILLINOIS (Continued)																	
ROCKFORD	65	26					.1	.1	.1	.1	.3	.4	1.0	.2	.1	2.74	
SPRINGFIELD	65	25					.1	.1	.1	.1	.1	.2	.4	.1	.1	2.02	
INDIANA																	
BEVERLY SHORES	64	26				.1	.1	.1	.2	.2	.3	.4	1.3	.2	.1	2.80	
	65	25				.1	.1	.1	.2	.2	.3	.6	.8	.2	.1	2.80	
DUNES POLICE POST	65	23				.1	.1	.1	.2	.3	.4	.6	.8	.2	.2	2.50	
DUNES STATE PARK	65	23				.1	.1	.1	.2	.3	.3	.9	1.2	.3	.2	2.91	
EAST CHICAGO	65	25			.1	.1	.1	.2	.2	.5	.7	1.6	3.5	.6	.2	3.80	
HAMMOND	65	25			.1	.1	.1	.3	.3	.4	.5	1.1	2.3	.5	.2	3.87	
INDIANAPOLIS	65	25			.1	.1	.1	.3	.4	.5	.9	1.1	1.3	.4	.2	3.41	
OGDEN DUNES	65	24					.1	.1	.1	.2	.3	.5	.8	.2	.1	2.56	
PORTAGE	64	26					.1	.1	.1	.1	.3	.4	1.2	.2	.1	2.70	
SOUTH BEND	65	23			.1	.1	.1	.4	.6	1.1	1.6	2.4	3.6	.9	.3	5.57	
IOWA																	
CEDAR RAPIDS	65	26						.1	.1	.1	.1	.3	.7	.1	.1	2.29	
DES MOINES	65	25	.2	.2	.2	.2	.2	.3	.3	.3	.4	.5	1.0	.3	.3	1.49	
KANSAS																	
TOPEKA	65	25	.1	.1	.1	.1	.2	.2	.2	.2	.2	.3	.3	.2	.2	1.41	
WICHITA	65	23		.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	.2	.2	1.60	
KENTUCKY																	
LEXINGTON	65	24		.1	.1	.1	.2	.2	.2	.3	.4	.6	1.2	.5	.3	2.45	
LOUISVILLE	65	23			.1	.1	.2	.2	.2	.3	.3	.6	2.0	.3	.2	2.18	
LOUISIANA																	
NEW ORLEANS	65	25			.1	.1	.1	.2	.2	.2	.2	.3	.4	.2	.2	1.87	
SHREVEPORT	65	26				.1	.1	.1	.2	.2	.3	.4	1.0	1.2	.4	.2	3.27
MAINE																	
PORTLAND	65	22		.1	.1	.2	.2	.3	.3	.3	.6	.8	1.1	2.3	.5	.4	2.49
MARYLAND																	
BALTIMORE	65	26		.1	.1	.2	.3	.5	.7	1.2	1.4	1.6	2.6	.8	.4	3.78	
MASSACHUSETTS																	
BROCKTON	65	24	.2	.2	.2	.3	.3	.4	.4	.6	.6	1.4	4.0	.7	.5	2.13	
LAWRENCE	65	23		.1	.2	.3	.3	.5	.7	.9	1.3	2.1	.9	.5	.5	3.02	
MICHIGAN																	
DETROIT	65	24			.1	.1	.1	.1	.2	.2	.3	.4	1.1	.2	.2	2.22	
FLINT	65	25							.1	.1	.1	.1	.1	.3	.1	1.47	
GRAND RAPIDS	65	23					.1	.1	.1	.1	.2	.4	.6	.1	.1	2.46	
TRENTON	65	25					.1	.1	.1	.1	.1	.2	.4	.1	.1	1.82	
MINNESOTA																	
MINNEAPOLIS	65	25				.1	.1	.1	.1	.2	.2	.5	.7	.2	.1	2.29	
ST PAUL	65	26				.1	.1	.1	.1	.1	.2	.3	2.1	.2	.1	2.33	
MISSISSIPPI																	
JACKSON	65	24				.1	.1	.1	.1	.2	.2	.5	.7	.2	.1	2.13	

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev			
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
MISSOURI KANSAS CITY	65	24	.1			.1	.1	.1	.1	.2	.2	.3	.4	.2	.2	1.64	
ST LOUIS	65	25				.1	.1	.1	.2	.3	.6	1.3	1.8	.4	.2	3.30	
MONTANA HELENA	65	22	.1	.1	.1	.2	.2	.2	.3	.3	.4	.5	1.0	.3	.3	1.66	
NEBRASKA OMAHA	65	29					.1	.1	.1	.1	.2	.3	.7	.1	.1	2.30	
NEVADA LAS VEGAS	65	26					.1	.1	.1	.1	.1	.1	.2	.1	.1	1.90	
RENO	65	29					.1	.1	.1	.2	.3	.5	.7	1.4	.3	2.59	
NEW HAMPSHIRE CONCORD	65	25	.1	.1	.1	.1	.2	.2	.2	.3	.3	1.1	1.2	.3	.2	2.05	
NEW JERSEY BRIDGETON	65	24				.1	.2	.4	.5	.6	.7	.8	2.1	2.2	.7	.4	2.95
JUTLAND	64	20					.1	.1	.1	.1	.1	.2	.4	.1	.1	2.39	
	65	29					.1	.1	.1	.2	.3	.6	.7	1.3	.3	3.26	
HAMILTON	65	29	.2	.2	.4	.5	.6	1.1	1.4	1.6	1.8	2.7	5.0	1.4	1.0	2.36	
JERSEY CITY	65	26	.7	.7	.9	1.0	1.1	1.4	2.0	2.2	3.5	4.2	9.7	2.1	1.7	1.93	
MARLTON	65	22				.1	.2	.3	.4	.5	.7	1.4	2.1	2.6	.7	.4	3.56
NEWARK	65	24	.2	.4	.6	.7	.9	1.3	1.6	2.1	2.4	3.1	5.0	1.7	1.3	2.25	
PATERSON	65	24	.3	.7	.9	1.0	1.6	1.7	1.8	2.1	2.6	4.1	6.3	1.9	1.6	1.89	
PEMBERTON	65	26				.1	.1	.2	.3	.4	.5	.7	1.2	2.8	.5	.3	3.51
PERTH AMBOY	65	24	.4	.6	.8	1.0	1.1	1.2	2.0	2.4	3.7	4.5	8.0	2.1	1.6	2.12	
PRINCETON	65	21				.1	.3	.4	.5	1.1	1.7	2.1	2.5	2.7	1.1	.7	4.98
GASSBORO	64	23	.1			.1	.1	.2	.2	.3	.4	.5	.7	1.6	.4	.2	2.43
	65	24				.1	.1	.2	.2	.3	.5	.6	1.0	1.7	.5	.3	2.60
NEW YORK NEW YORK CITY	65	24	.4	.4	1.1	1.3	1.6	2.3	2.6	4.1	4.5	5.8	8.2	2.8	2.1	2.37	
NORTH CAROLINA CHARLOTTE	65	26	.1	.1	.2	.2	.3	.4	.5	.6	.8	.9	2.9	.6	.4	2.30	
OHIO AKRON	65	25			.1	.1	.2	.3	.4	.5	.7	1.1	1.4	1.6	.6	.4	2.90
CINCINNATI	65	25			.1	.2	.2	.3	.3	.4	.5	.7	1.1	2.6	.5	.4	2.33
CLEVELAND	65	26	.1	.1	.2	.2	.3	.4	.6	.7	1.1	1.3	2.7	.7	.5	2.40	
COLUMBUS	65	29				.1	.1	.1	.2	.3	.4	.8	1.3	.3	.2	2.83	
TOLEDO	65	26	.1	.2	.3	.3	.4	.5	.6	.7	.8	.8	4.7	.7	.5	2.05	
YOUNGSTOWN	65	26	.1	.3	.3	.4	.4	.6	.9	1.1	1.3	1.5	2.1	.8	.7	2.12	
OKLAHOMA OKLAHOMA CITY	65	26					.1	.1	.1	.1	.2	.2	.3	.1	.1	1.69	
TULSA	65	25					.1	.1	.1	.1	.1	.1	.3	.4	.1	.1	1.81
OREGON EUGENE	65	26	.1	.1	.1	.2	.2	.2	.3	.3	.4	.5	2.8	.4	.3	2.05	
MEDFORD	65	24	.3	.3	.5	.5	.6	.6	.7	.8	1.3	2.3	3.3	1.0	.6	1.89	

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev			
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean			
				10	20	30	40	50	60	70	80	90						
OREGON (Continued)																		
PORTLAND	65	25	.2	.2	.2	.2	.2	.3	.4	.4	.5	.6	.8	1.5	.5	.4	1.73	
PENNSYLVANIA																		
ALTOONA	65	21	.3	.4	.6	.7	.9	1.1	1.2	1.4	1.7	2.6	3.5	1.3	1.1	1.88		
BETHLEHEM	65	24	.1		.1	.1	.2	.3	.4	.5	.6	1.3	1.5	.5	.3	2.48		
EMMITSVILLE	65	24			.1	.1	.1	.2	.3	.3	.5	.6	1.6	2.0	.5	.3	2.94	
ERIE	65	24	.1	.1	.1	.2	.3	.3	.4	.7	.9	1.9	1.5	.5	.4	2.35		
JOHNSTOWN	65	24	.2	.2	.3	.4	.6	.7	.8	.9	1.0	1.8	3.8	1.0	.7	.7	2.28	
LANCASTER	65	25	.2	.3	.4	.6	.7	.9	1.0	1.2	1.5	2.4	6.1	1.2	.9	.9	2.27	
NESHAMINY	65	24			.1	.1	.1	.2	.7	1.0	1.0	1.1	1.3	7.1	.8	.3	4.45	
PHILADELPHIA	65	25	.4	.7	.8	1.3	1.3	1.7	1.9	3.1	4.4	5.1	11.7	2.6	1.9	2.20		
PIPERSVILLE	65	23			.1	.1	.2	.4	.6	.8	1.0	1.8	2.4	.7	.4	.4	3.62	
PITTSBURGH	65	24	.1	.2	.3	.3	.4	.5	.9	1.1	1.3	1.7	2.5	.8	.6	.6	2.30	
READING	65	24	.1	.2	.3	.3	.4	.6	.7	1.1	1.2	1.8	2.7	.8	.6	.6	2.30	
WEST CHESTER	65	24			.1	.1	.1	.1	.2	.4	.6	1.0	2.0	.6	.2	.4	3.49	
YORK	65	26			.1	.1	.1	.3	.5	.5	.6	.9	1.9	.4	.3	.3	3.17	
PUERTO RICO																		
BAYAMON	65	23							.1	.1	.1	.1	.1	.1	.1	.1	1.35	
SAN JUAN	65	24							.1	.1	.1	.1	.1	.			1.03	
RHODE ISLAND																		
EAST PROVIDENCE	65	24			.1	.1	.2	.3	.4	.5	.8	1.0	1.6	2.1	.6	.3	3.44	
PROVIDENCE	65	26	.1	.3	.4	.5	.7	1.2	1.4	1.6	2.1	10.0	1.3	.7	.7	3.24		
SOUTH CAROLINA																		
CHARLESTON	65	25						.1	.1	.1	.1	.4	.5	.6	.1	.1	2.48	
SPARTANBURG	65	26			.1	.1	.3	.5	.6	.7	.8	1.2	2.5	.6	.3	.3	3.21	
SOUTH DAKOTA																		
SIOUX FALLS	65	26							.1	.1	.1	.1	.1	.2	.1	.1	1.42	
TENNESSEE																		
CHATTANOOGA	65	24			.1	.1	.1	.1	.3	.5	.6	1.1	2.1	.4	.2	.2	3.58	
KNOXVILLE	65	25	.1	.1	.3	.4	.5	.5	.6	.8	1.3	3.2	.6	.4	.4	2.73		
MEMPHIS	65	26						.1	.1	.1	.2	.4	2.2	.2	.1	.1	2.94	
NASHVILLE	65	24						.1	.1	.2	.3	.5	.6	3.1	.4	.2	3.59	
TEXAS																		
DALLAS	65	26							.1	.1	.1	.1	.1	.2	.1	.1	1.44	
HOUSTON	65	25							.1	.1	.1	.1	.1	.2	.1	.1	1.40	
SAN ANTONIO	65	25							.1	.1	.1	.1	.1	.1	.1	.1	1.22	
UTAH																		
SALT LAKE CITY	65	26							.1	.1	.1	.1	.2	.5	3.5	.3	.1	2.91
VERMONT																		
BURLINGTON	65	25							.1	.1	.1	.1	.1	.6	.1	.1	2.09	

Table 16 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
VIRGINIA HAMPTON	65	25			.1	.1	.1	.4	.3	.5	1.2	1.4	.3	.2	3.35	
LYNCHBURG	65	25		.1	.1	.1	.2	.2	.3	.5	.8	1.6	.4	.2	2.88	
NORFOLK	65	25			.1	.1	.2	.3	.5	.6	1.5	2.9	.5	.2	3.49	
PORTSMOUTH	65	26		.1	.1	.2	.2	.4	.7	.9	1.1	1.3	1.6	.6	3.28	
RICHMOND	65	25		.1	.1	.2	.4	.6	.9	1.2	1.3	2.0	4.6	.9	.5	3.59
ROANOKE	65	24			.1	.1	.2	.3	.4	.5	.8	1.0	1.9	.5	.3	2.97
WASHINGTON SEATTLE	65	25						.1	.1	.1	.1	.3	.4	.1	.1	1.92
WEST VIRGINIA CHARLESTON	65	25	.1	.1	.2	.6	1.2	1.8	3.9	5.1	7.0	12.3	23.2	4.3	1.5	5.98
WEIRTON	65	23		.1	.1	.2	.2	.3	.4	.6	.7	1.0	1.5	.5	.3	2.49
WHEELING	65	25	.1	.4	.6	.7	.8	1.0	1.1	1.3	1.6	3.1	5.7	1.3	.9	2.50
WISCONSIN KENOSHA	65	25				.1	.1	.1	.1	.2	.4	.7	.8	.2	.1	2.69
MADISON	65	25			.1	.1	.1	.1	.2	.2	.4	.9	1.0	.3	.2	2.99
MILWAUKEE	65	25				.1	.1	.1	.1	.2	.2	.4	1.3	.2	.1	2.42
WYOMING CHEYENNE	65	25						.1	.1	.1	.1	.1	.			1.00

Table 17. AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
ARIZONA GRAND CANYON PK	65	24						.1	.1	.1	.1	.1	.3	.1	1.61		
CALIFORNIA HUMBOLDT COUNTY	65	24						.1	.1	.1	.1	.2	.3	.1	.1	2.34	
COLORADO MONTEZUMA COUNTY	65	23						.1	.1	.1	.1	.1	.1	.9	.1	1.84	
DELAWARE KENT COUNTY	65	23						.1	.2	.3	.6	.7	.9	2.1	.4	.2	3.85
FLORIDA FLORIDA KEYS	64	21						.1	.1	.1	.1	.1	.1	.2	.1	.1	1.59
IDAHO BUTTE COUNTY	65	23						.1	.1	.1	.1	.1	.1	.6		.1	1.83
INDIANA PARKE COUNTY	65	23						.1	.1	.1	.1	.2	.7	1.1	.2	.1	3.07
IOWA DELaware COUNTY	65	25						.1	.1	.1	.1	.1	.2	.7	.1	.1	1.84
MAINE ACADIA NAT PARK	65	22						.1	.1	.1	.1	.1	.2	1.1	.1	.1	2.39
MARYLAND CALVERT COUNTY	65	26						.1	.1	.2	.3	.4	.5	.7	.4	.2	3.13
MISSISSIPPI JACKSON COUNTY	65	25						.1	.1	.1	.1	.1	.1	.2		.1	1.47
MISSOURI SHANNON COUNTY	65	26						.1	.1	.1	.1	.4	.5	7.0	.4	.1	3.63
MONTANA GLACIER NAT PARK	65	23						.1	.1	.1	.1	.1	.1	.9		.1	1.84
NEBRASKA THOMAS COUNTY	65	26						.1	.1	.1	.1	.1			.0		
NEVADA WHITE PINE CO	65	23						.1	.1	.1	.1	.1			.0		
NEW HAMPSHIRE COOS COUNTY	65	23						.1	.1	.1	.1	.1	.1	.4		.1	1.86
NEW MEXICO RIO ARRIBA COUNTY	65	23						.1	.1	.1	.1	.1	.1	.1		.1	1.22
NEW YORK CAPE VINCENT	65	23						.1	.1	.1	.3	.5	.6	.8	.2	.1	2.91
NORTH CAROLINA CAPE HATTERAS	65	23						.1	.1	.1	.1	.1	.1	.1		.1	1.34
OKLAHOMA CHEROKEE COUNTY	65	26						.1	.1	.1	.1	.1	.2	1.1	.1	.1	2.30
OREGON CURRY COUNTY	65	24						.1	.1	.1	.1	.1	.1	.4		.1	1.73
PENNSYLVANIA CLARION COUNTY	65	25						.1	.1	.1	.2	.3	.4	.9	.2	.1	2.37
RHODE ISLAND WASHINGTON CO	65	26						.1	.1	.1	.2	.4	.6	1.1	.5	.2	3.68

Table 17 (continued). AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	65	26						.1	.1	.1	.1	.1	1.5	.1	.1	1.96
TEXAS MATAGORDA COUNTY	65	25						.1	.1	.1	.1	.3	6.9	.4	.1	3.14
VERMONT ORANGE COUNTY	65	24					.1	.1	.1	.1	.1	.4	.6	.1	.1	2.00
VIRGINIA SHENANDOAH PARK	65	25					.1	.1	.1	.1	.3	.5	1.3	.2	.1	2.92
WISCONSIN DOOR COUNTY	65	21					.1	.1	.1	.1	.1	.1	.1		.1	1.97
WYOMING YELLOWSTONE PARK	65	24					.1	.1	.1	.1	.1	.1	.1		.1	1.28

Table 18. NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM	65	24	1.0	1.2	2.0	2.3	2.5	2.6	2.7	2.9	3.4	4.2	5.1	2.8	2.6	1.47
HUNTSVILLE	65	26	.8	1.5	1.6	1.9	2.0	2.1	2.3	2.7	3.0	3.4	3.7	2.3	2.2	1.43
MONTGOMERY	65	25	.2	.5	.6	.9	1.1	1.3	1.9	1.8	2.0	2.8	3.5	1.5	1.2	1.98
ARIZONA PARADISE VALLEY	65	26	.7	.9	1.2	1.4	1.6	1.8	2.1	2.2	4.5	2.6	5.2	2.0	1.8	1.61
PHOENIX	65	26	.3	1.2	1.6	2.3	2.5	2.7	2.9	3.1	3.9	4.2	6.3	2.9	2.5	1.80
TUCSON	65	25	.4	.7	.8	.9	1.0	1.1	1.1	1.4	1.5	1.8	2.6	1.2	1.1	1.52
CALIFORNIA GLÉNDALE	63	26	1.6	3.4	3.7	4.4	5.2	6.5	9.1	11.0	14.3	16.3	22.5	8.6	6.9	2.01
LONG BEACH	65	25	1.0	2.3	2.8	3.2	3.9	5.0	6.3	9.7	12.6	16.3	19.8	7.2	5.3	2.24
LOS ANGELES	65	23	4.0	6.9	10.4	11.3	11.8	12.6	14.3	15.6	17.1	21.2	25.4	13.5	12.6	1.49
OAKLAND	65	24	.6	1.0	1.3	1.4	2.3	3.0	4.2	5.2	5.7	9.7	12.6	4.2	3.0	2.37
SAN DIEGO	65	25	1.7	2.6	3.4	4.1	4.4	5.0	5.9	6.5	7.1	8.5	10.2	5.3	4.8	1.59
SAN FRANCISCO	65	26	.4	.7	1.0	1.8	2.3	3.0	4.1	4.4	5.5	6.5	7.7	3.4	2.6	2.37
COLORADO DENVER	65	24	.8	1.2	1.8	1.9	2.0	3.0	3.7	5.0	6.5	8.5	12.7	4.2	3.2	2.06
CONNECTICUT HARTFORD	65	25	.6	1.1	1.6	1.9	2.6	2.8	3.0	4.5	4.8	5.7	9.4	3.3	2.7	1.94
NEW BRITAIN	65	26	.6	1.4	2.3	2.5	2.7	3.0	3.3	3.9	4.4	5.7	6.1	3.3	2.9	1.76
NEW HAVEN	65	24	.4	.7	1.0	1.2	2.1	2.3	2.6	3.9	4.4	5.0	8.2	2.8	2.2	2.09
NORWICH	65	24	.7	.8	1.3	1.4	1.5	1.7	1.8	2.3	2.6	3.4	4.1	2.0	1.8	1.57
WATERBURY	65	26	1.0	1.3	1.4	2.2	2.5	2.9	3.4	3.4	4.4	5.0	7.4	3.1	2.8	1.70
DELAWARE NEWARK	65	24	.9	1.1	1.4	1.8	2.6	2.7	2.9	3.4	4.4	5.4	6.6	2.9	2.5	1.74
WILMINGTON	65	23	1.2	1.5	2.0	2.4	2.5	2.8	3.0	3.6	3.8	5.7	6.6	3.1	2.9	1.55
DIST. OF COL. WASHINGTON	65	24	1.8	1.9	2.2	2.4	2.6	3.3	3.6	4.5	5.7	5.0	7.2	3.5	3.2	1.48
FLORIDA FORT LAUDERDALE	64	21	.1	.2	.3	.3	.4	.5	.6	.8	1.0	1.4	1.8	.7	.6	2.02
GEORGIA ATLANTA	65	24	1.1	1.6	1.9	2.1	2.2	2.5	2.7	2.9	3.2	4.2	4.6	2.7	2.5	1.40
HAWAII MONOLULU	65	25	.3	.3	.4	.5	.6	.7	.7	1.0	1.1	1.6	2.3	.8	.7	1.78
IDAHO BOISE	65	25	.9	1.0	1.1	1.3	1.4	1.6	1.7	2.3	4.6	3.9	5.3	2.0	1.8	1.66
ILLINOIS CHICAGO	65	24	.3	.8	.9	1.3	1.6	1.7	1.9	2.8	3.4	3.9	7.4	2.2	1.8	2.04
EAST ST LOUIS	65	24	.4	1.2	1.6	1.8	2.3	3.4	3.9	5.2	5.7	7.0	10.0	3.7	3.0	2.13
JOLIET	65	23	.3	1.0	1.2	1.6	1.8	2.8	3.1	3.4	4.1	5.7	6.9	2.9	2.3	2.05

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
ILLINOIS (Cont'd.)																	
ROCKFORD	65	26	1.2	1.4	1.5	2.0	2.2	2.6	2.9	3.4	3.9	5.2	8.2	3.1	2.7	1.64	
SPRINGFIELD	65	25	.9	1.6	2.2	2.9	3.5	3.7	3.9	4.2	4.4	5.0	8.3	3.5	3.2	1.62	
INDIANA																	
BEVERLY SHORES	64	26	.4	.9	1.2	1.4	1.6	1.8	2.2	2.4	3.0	3.7	5.0	2.1	1.9	1.74	
	65	29	.9	1.4	1.7	2.3	2.5	2.6	3.4	3.7	3.9	4.8	5.5	3.0	2.7	1.61	
DUNES POLICE POST	65	25	1.3	1.4	2.3	2.5	3.0	3.7	4.0	4.3	5.0	5.7	8.1	3.7	3.3	1.60	
DUNES STATE PARK	65	23	1.1	1.4	1.6	1.9	2.2	2.9	3.4	3.9	4.2	5.0	7.0	3.1	2.7	1.68	
EAST CHICAGO	65	25	.1	1.1	1.3	1.7	1.8	2.7	3.0	4.4	4.8	6.2	9.2	3.2	2.4	2.48	
HAMMOND	65	25	1.2	1.4	1.7	2.2	2.5	3.0	3.4	3.9	5.4	6.9	10.9	3.6	3.0	1.78	
INDIANAPOLIS	65	25	1.0	1.6	2.0	2.3	2.5	2.6	3.0	3.7	3.9	5.0	7.1	3.1	2.8	1.57	
OGDEN DUNES	65	24	1.0	1.2	1.6	1.9	2.3	2.6	3.4	3.7	4.4	7.4	9.6	3.4	2.8	1.81	
PORTAGE	64	26	.1	.7	.9	1.2	1.6	2.3	2.8	3.2	4.4	5.2	5.9	2.6	1.9	2.47	
SOUTH BEND	63	23	.6	1.1	1.4	1.9	2.1	2.9	2.6	3.7	4.2	5.7	6.3	2.9	2.5	1.81	
IOWA																	
CEDAR RAPIDS	65	26	.1	.3	.4	.7	.9	1.4	3.0	3.3	3.7	4.4	16.4	2.8	1.5	3.43	
DES MOINES	65	29	.4	.8	1.7	2.0	2.3	2.6	2.8	3.1	3.4	5.4	5.9	2.7	2.2	2.03	
KANSAS																	
TOPEKA	65	25	.5	.6	1.1	1.6	1.7	2.3	2.3	3.0	3.3	5.0	8.5	2.4	1.9	2.03	
WICHITA	65	26	.4	1.2	1.3	1.9	2.0	2.5	2.8	3.0	3.4	4.2	7.0	2.6	2.3	1.79	
KENTUCKY																	
LEXINGTON	65	24	1.4	1.6	2.2	2.4	2.7	2.8	3.0	3.5	3.8	4.4	5.3	3.0	2.9	1.41	
LOUISVILLE	65	23	1.0	1.4	2.6	3.0	3.4	4.1	4.4	4.6	4.8	5.7	6.7	3.8	3.5	1.63	
LOUISIANA																	
NEW ORLEANS	65	29	1.4	1.9	2.1	2.4	2.6	3.0	3.4	3.6	3.9	4.4	6.1	6.8	3.4	3.1	1.53
SHREVEPORT	65	26	1.1	1.2	1.7	2.2	2.4	2.5	2.7	2.9	3.2	3.9	5.7	2.6	2.4	1.93	
MAINE																	
PORTLAND	65	22	.3	.3	.4	.6	.7	.9	1.1	1.2	1.7	2.0	3.2	1.2	.9	2.05	
MARYLAND																	
BALTIMORE	65	26	.8	1.2	1.6	1.9	2.2	2.5	3.0	3.4	4.2	4.7	6.4	2.9	2.5	1.70	
MASSACHUSETTS																	
BROCKTON	65	24	.8	1.3	1.5	1.6	2.0	2.6	3.0	3.7	4.4	5.4	6.1	2.9	2.6	1.74	
LAWRENCE	65	25	.6	.7	.9	1.0	1.3	2.0	3.0	3.4	3.6	3.9	5.7	4.0	3.9	2.02	
MICHIGAN																	
DETROIT	65	24	.7	.8	1.2	1.7	2.5	3.4	4.0	4.2	4.4	7.0	8.0	3.4	2.8	2.02	
FLINT	65	25	.5	.7	1.0	1.3	1.4	2.8	3.4	3.9	5.1	5.6	7.6	2.9	2.2	2.23	
GRAND RAPIDS	65	23	.5	.5	.9	1.1	1.4	2.4	2.6	3.4	4.2	4.8	8.2	2.6	2.0	2.23	
TRENTON	65	29	.8	1.4	1.8	2.3	2.9	3.7	3.9	4.7	5.0	6.1	10.3	3.7	3.2	1.81	
MINNESOTA																	
MINNEAPOLIS	65	29	.2	.5	.8	1.1	1.2	1.6	2.0	2.3	4.5	2.6	5.7	1.8	1.4	2.29	
ST PAUL	65	26	.3	.5	.7	.9	.9	1.2	1.4	1.8	2.3	2.5	3.7	1.5	1.2	1.86	
MISSISSIPPI																	
JACKSON	65	24	.9	1.2	1.6	1.7	1.9	2.0	2.2	2.7	2.8	3.0	3.5	2.2	2.1	1.41	

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location, Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MISSOURI KANSAS CITY	65	24	.8	1.2	1.4	1.5	2.2	2.4	2.5	3.1	3.3	4.1	4.4	2.5	2.2	1.60
ST LOUIS	65	25	.8	1.1	1.4	1.8	1.9	2.0	2.5	3.4	4.1	4.7	5.2	2.6	2.2	1.73
MONTANA HELENA	65	22	.4	.4	.5	.6	.8	.9	1.0	1.0	1.2	1.8	2.4	1.0	.9	1.62
NEBRASKA OMAHA	65	29	.5	.7	1.4	1.7	1.8	2.2	2.3	2.9	3.1	4.4	6.2	2.4	2.0	1.82
NEVADA LAS VEGAS	65	26	.2	.6	1.4	1.8	2.0	2.5	3.1	3.3	4.2	4.6	7.1	2.8	2.2	2.26
RENO	65	29	1.4	1.6	1.6	1.9	2.2	2.4	2.9	3.0	3.4	4.2	6.4	2.6	2.4	1.48
NEW HAMPSHIRE CONCORD	65	25	.3	.6	.7	1.0	1.1	1.2	1.4	2.0	2.2	2.8	3.2	1.5	1.2	1.65
NEW JERSEY BRIDGETON	65	24	.8	1.0	1.3	1.9	1.7	2.2	2.9	3.4	3.7	4.4	5.4	2.5	2.2	1.72
GLASSBORO	64	23	.8	.8	1.6	2.3	2.7	3.0	3.4	3.6	3.8	4.4	6.4	2.9	2.8	1.82
	65	24	1.3	1.6	2.0	2.1	2.3	2.7	3.0	3.7	4.1	4.7	6.0	3.0	2.8	1.49
HAMILTON	65	23	1.1	1.6	2.1	2.2	2.5	3.0	3.4	3.4	3.7	4.6	5.0	3.0	2.8	1.41
JERSEY CITY	65	26	.6	.7	1.0	1.5	1.7	2.1	2.4	2.6	3.9	4.2	4.9	2.3	2.0	1.86
JUTLAND	64	20	.8	.8	1.0	1.6	2.0	2.3	2.8	3.4	3.7	3.9	4.9	2.5	2.2	1.86
	65	23	.5	.7	2.0	2.3	2.6	3.0	3.4	3.3	3.6	4.2	5.0	2.0	2.0	1.74
MARLTON	65	22	.7	1.2	1.4	2.3	3.0	3.0	3.7	3.9	4.3	5.2	5.6	3.2	2.8	1.74
NEWARK	65	24	.3	.9	1.2	1.5	2.0	2.2	2.4	3.0	3.3	4.8	6.1	2.5	2.1	1.93
PATERSON	65	24	.3	.9	1.8	2.0	2.3	2.8	3.0	3.2	3.7	4.4	4.9	2.7	2.5	2.00
PEMBERTON	65	26	.8	1.1	1.3	1.7	2.0	2.3	2.6	3.0	3.4	4.2	5.3	2.5	2.2	1.65
PERTH AMBOY	65	24	.4	.9	1.8	1.9	2.0	2.6	3.1	3.5	3.7	3.9	5.2	2.7	2.4	1.75
PRINCETON	65	21	1.0	1.3	1.8	1.9	2.1	2.5	2.8	3.1	3.4	3.9	4.6	2.6	2.4	1.51
NEW YORK NEW YORK CITY	65	24	.6	.8	1.0	1.2	1.6	2.0	2.6	3.0	3.7	4.4	6.0	2.4	2.0	1.90
NORTH CAROLINA CHARLOTTE	65	26	1.0	1.7	1.8	1.9	1.9	2.0	2.1	2.2	4.5	3.0	4.0	2.2	2.1	1.30
OHIO AKRON	65	23	.7	1.4	1.9	2.5	2.7	3.0	3.3	4.2	4.7	5.7	6.9	3.3	2.9	1.72
CINCINNATI	65	25	1.7	1.8	2.3	2.7	2.9	3.3	3.6	4.1	4.4	5.0	6.2	3.4	3.2	1.43
CLEVELAND	65	26	.4	.6	.9	1.4	1.9	2.5	3.1	3.3	3.6	3.8	7.0	2.6	2.1	2.10
COLUMBUS	65	25	1.0	2.1	2.3	2.7	2.9	3.4	3.9	5.0	5.3	5.7	8.6	3.0	3.4	1.62
TOLEDO	65	26	1.0	1.3	1.5	2.1	2.2	3.4	4.2	5.1	5.6	6.1	8.2	3.6	3.1	1.84
YOUNGSTOWN	65	26	.9	1.1	1.3	1.7	2.2	2.5	3.0	3.4	4.7	5.0	6.1	2.9	2.5	1.79
OKLAHOMA OKLAHOMA CITY	65	26	.6	1.4	1.5	2.0	2.3	2.5	2.7	2.9	3.2	3.4	4.8	2.5	2.3	1.58
TULSA	65	25	.5	.9	1.4	1.7	1.8	2.0	2.3	2.7	3.0	3.9	4.1	2.2	1.9	1.71
OREGON EUGENE	65	26	.4	.6	.8	1.1	1.2	1.4	1.9	1.6	2.2	2.8	7.0	1.8	1.6	1.86

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max			
				10	20	30	40	50	60	70	80	90				
OREGON (Continued)																
MEDFORD	65	24	1.2	1.5	1.7	2.0	2.2	2.3	2.7	4.2	4.6	5.0	9.3	3.2	2.8	1.70
PORLAND	65	25	1.9	2.6	3.4	3.8	4.1	4.7	5.4	7.4	11.0	16.3	27.5	7.4	5.6	2.02
PENNSYLVANIA																
ALTOONA	65	21	.8	1.9	2.2	2.4	2.6	3.4	3.7	4.1	4.4	5.0	9.9	3.3	3.0	1.58
BETHLEHEM	65	24	1.4	1.6	2.0	3.5	3.9	4.1	4.2	4.7	5.2	6.1	14.6	4.3	3.6	1.68
EMBREEVILLE	65	24	1.1	1.2	2.0	2.2	2.4	2.9	2.7	2.9	3.9	5.0	6.2	2.9	2.6	1.54
ERIE	65	24	.8	1.2	1.6	1.7	2.3	3.2	3.6	4.2	4.6	5.4	8.1	3.2	2.8	1.76
JOHNSTOWN	65	24	1.2	1.5	2.1	2.2	2.6	3.0	3.2	4.0	4.3	5.0	6.0	3.2	3.0	1.50
LANCASTER	65	25	1.2	1.6	2.0	2.9	3.2	4.0	4.2	4.5	4.8	5.7	7.5	3.6	3.3	1.61
NESHAMINY	65	24	.8	1.0	1.5	1.9	2.1	2.2	2.3	2.8	3.0	3.7	6.8	2.9	2.2	1.58
PHILADELPHIA	65	25	.9	1.1	1.7	2.0	2.3	2.8	3.4	3.7	4.2	5.7	7.6	3.0	2.8	1.75
PIPERSVILLE	65	23	.6	1.0	1.4	1.5	1.6	2.3	2.7	2.9	3.2	4.2	5.3	2.4	2.2	1.69
PITTSBURGH	65	24	1.4	1.4	1.7	1.9	2.3	2.6	2.8	3.9	4.1	4.4	5.4	2.9	2.7	1.52
READING	65	24	.3	.4	1.3	1.7	2.3	2.5	2.7	3.4	3.9	5.0	6.0	2.7	2.2	2.15
WEST CHESTER	65	24		1.0	2.0	2.1	2.3	2.7	2.9	3.2	3.4	5.2	5.5	2.8	2.2	2.52
YORK	65	26	1.4	1.6	2.3	2.8	3.1	3.3	4.4	5.7	6.5	8.0	11.7	4.4	3.8	1.77
PUERTO RICO																
BAYAMON	65	23	.2	.2	.4	.5	.6	.7	.8	.9	1.1	1.4	1.9	.8	.7	1.87
SAN JUAN	65	24	.2	.2	.5	.6	.7	.7	.8	.9	1.0	1.3	1.9	.8	.7	1.70
RHODE ISLAND																
EAST PROVIDENCE	65	24	.7	.9	1.1	1.2	1.6	1.8	2.3	3.2	3.4	4.7	5.3	2.4	2.0	1.83
PROVIDENCE	65	26	.7	1.1	1.4	1.8	1.9	2.0	2.3	2.8	3.3	3.9	5.0	2.4	2.2	1.65
SOUTH CAROLINA																
CHARLESTON	65	25	.0	1.1	1.2	1.3	1.3	1.5	1.6	1.8	2.0	2.8	5.6	1.7	1.6	1.47
SPARTANBURG	65	26	.6	1.2	1.4	1.7	1.9	2.2	2.5	2.5	2.7	2.8	4.1	2.1	2.0	1.53
SOUTH DAKOTA																
SIOUX FALLS	65	26	.2	.6	.8	1.0	1.1	1.4	1.7	1.9	2.6	3.4	3.8	1.7	1.6	2.07
TENNESSEE																
CHATTANOOGA	65	24	.2	1.2	1.5	1.7	1.9	2.1	2.3	3.0	3.3	3.9	5.9	2.4	2.1	1.90
KNOXVILLE	65	25	.8	1.1	1.2	1.5	1.6	1.8	2.0	2.2	2.3	2.6	3.9	1.9	1.8	1.49
MEMPHIS	65	26	1.5	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.4	3.9	7.8	2.9	2.7	1.43
NASHVILLE	65	24	1.4	1.6	2.1	2.3	2.8	2.9	3.0	3.6	3.8	4.4	5.5	3.1	2.9	1.43
TEXAS																
DALLAS	65	26	1.3	1.8	2.2	2.7	2.8	3.0	3.9	3.8	4.4	5.2	5.6	3.3	3.1	1.48
HOUSTON	65	25	1.3	1.4	1.8	2.0	2.3	2.5	2.6	3.0	3.9	5.0	11.1	3.1	2.7	1.64
SAN ANTONIO	65	25	1.3	1.3	1.4	1.7	1.8	2.0	2.2	3.0	3.2	3.9	9.8	2.5	2.2	1.62
UTAH																
SALT LAKE CITY	65	26	.7	1.2	1.3	1.3	1.7	1.9	2.4	2.3	2.6	3.2	8.7	2.3	2.0	1.68
VERMONT																
BURLINGTON	65	25	.4	.8	.9	1.1	1.2	1.9	2.1	2.8	3.4	3.9	6.3	2.2	1.7	2.01

Table 18 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
VIRGINIA HAMPTON	65	25	.5	.8	1.2	1.4	1.6	1.8	1.9	2.2	2.6	3.0	3.6	1.9	1.7	1.64
LYNCHBURG	65	25	.9	1.1	1.3	1.5	1.6	1.7	1.9	2.5	2.8	3.7	4.4	2.1	1.9	1.52
NORFOLK	65	25	1.0	1.3	1.6	1.8	2.1	2.8	3.2	4.0	4.3	5.0	6.7	3.0	2.6	1.69
PORTSMOUTH	65	26	.5	1.0	1.4	1.7	1.8	2.7	3.1	3.4	3.7	3.9	6.6	2.7	2.3	1.80
RICHMOND	65	25	1.1	1.3	1.6	1.9	2.1	2.4	2.6	3.0	3.2	3.4	4.0	2.4	2.3	1.44
ROANOKE	65	24	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.5	2.6	3.9	5.7	2.4	2.3	1.37
WASHINGTON SEATTLE	65	25	.7	.9	1.1	1.7	1.8	2.0	2.2	2.6	2.8	3.4	3.5	2.0	1.9	1.59
WEST VIRGINIA CHARLESTON	65	25	.2	.4	.6	1.0	1.3	1.4	1.5	1.7	2.0	3.1	3.4	1.5	1.2	2.07
WEIRTON	65	23	1.1	1.6	1.8	1.9	2.2	2.8	3.1	3.3	3.7	4.7	5.1	2.9	2.6	1.50
WHEELING	65	25	1.2	1.4	1.5	1.9	2.0	2.2	2.3	2.9	3.2	3.9	4.3	2.4	2.3	1.44
WISCONSIN KENOSHA	65	25	.7	1.4	1.9	2.0	2.4	2.9	2.8	3.4	3.9	5.4	6.8	3.0	2.6	1.68
MADISON	65	25	.6	.8	1.6	2.0	2.5	2.9	3.1	3.7	4.4	5.0	6.3	3.0	2.5	1.87
MILWAUKEE	65	25	.6	.8	1.0	1.2	1.3	2.0	2.9	3.7	4.1	5.0	7.1	2.6	2.1	2.03
WYOMING CHEYENNE	65	25	.1	.1	.2	.3	.4	.5	.7	.9	1.2	1.6	2.2	.7	.5	2.43

Table 19. NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	65	24	.1	.2	.3	.3	.4	.4	.4	.5	.5	.6	1.3	.5	.4	1.69
CALIFORNIA HUMBOLDT COUNTY	65	24	.1	.2	.3	.4	.5	.6	.6	.9	.9	1.2	1.5	.7	.6	1.86
COLORADO MONTEZUMA COUNTY	65	23		.1	.1	.2	.2	.2	.3	.3	.4	.5	1.0	.3	.3	1.92
DELAWARE KENT COUNTY	65	23	.8	1.0	1.5	1.6	2.0	2.3	2.6	2.9	3.1	3.6	3.6	2.3	2.1	1.54
FLORIDA FLORIDA KEYS	64	21	.1	.2	.3	.3	.4	.5	.6	.8	1.0	1.4	1.6	.7	.6	2.02
IDAHO BUTTE COUNTY	65	23	.1	.1	.2	.2	.2	.3	.3	.4	.5	.7	1.8	.4	.3	1.98
INDIANA PARKE COUNTY	65	25	.2	1.0	1.1	1.2	1.3	2.0	2.3	2.8	3.4	3.8	4.4	2.1	1.8	1.97
IOWA DELAWARE COUNTY	65	25	.2	.4	.7	.9	1.2	1.8	1.9	2.2	2.6	3.0	3.7	1.7	1.3	2.13
MAINE ACADIA NAT PARK	65	22	.2	.2	.3	.4	.6	.8	.9	1.0	1.6	1.9	2.9	.9	.7	2.12
MARYLAND CALVERT COUNTY	65	26	.3	1.1	1.2	1.3	1.3	1.4	2.2	2.3	2.7	2.8	3.1	1.8	1.6	1.75
MISSISSIPPI JACKSON COUNTY	65	25	.5	1.0	1.1	1.3	1.5	1.6	1.7	2.1	2.3	3.7	8.1	2.0	1.7	1.79
MISSOURI SHANNON COUNTY	65	26	.6	.8	1.0	1.3	1.4	1.6	1.9	2.3	4.5	3.0	3.2	1.8	1.6	1.64
MONTANA GLACIER NAT PARK	65	23	.1		.1	.1	.1	.1	.2	.2	.2	.3	.6	.2	.2	1.70
NEBRASKA THOMAS COUNTY	65	26	.2	.2	.2	.3	.5	.6	.7	.8	.9	1.0	2.3	.7	.6	1.95
NEVADA WHITE PINE CO	65	23	.1	.1	.1	.2	.2	.3	.3	.4	.5	.6	1.0	.4	.3	1.86
NEW HAMPSHIRE COOS COUNTY	65	23	.2	.3	.5	.5	.6	.7	.8	1.0	1.4	2.3	3.6	1.1	.8	2.07
NEW MEXICO RIO ARriba COUNTY	65	25	.1	.1	.1	.2	.2	.2	.3	.3	.4	.5	.7	.3	.3	1.73
NEW YORK CAPE VINCENT	65	25	.4	.6	.8	1.3	2.0	2.4	2.6	3.5	3.8	4.4	4.9	2.5	1.9	2.18
NORTH CAROLINA CAPE HATTERAS	65	25	.4	.6	.6	.9	1.1	1.6	1.7	1.9	2.0	4.4	6.8	1.9	1.9	2.00
OKLAHOMA CHEROKEE COUNTY	65	26	.1	.4	.6	.7	.8	.8	.9	1.0	1.3	1.7	3.2	1.0	.9	1.97
OREGON CURRY COUNTY	65	24	.1		.1	.2	.3	.3	.3	.4	.4	.5	.8	.3	.3	1.91
PENNSYLVANIA CLARION COUNTY	65	25	.3	.5	.9	1.3	1.4	1.6	1.9	2.0	2.7	3.7	4.1	1.8	1.5	2.04
RHODE ISLAND WASHINGTON CO	65	26	.7	.9	1.1	1.4	1.7	1.9	2.0	2.9	3.7	4.2	6.8	2.5	2.1	1.84

Table 19 (continued). NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	65	26	.1	.1	.1	.2	.2	.2	.3	.3	.3	.4	1.3	.3	.3	1.80
TEXAS MATAGORDA COUNTY	65	25	.4	.5	.6	1.1	1.3	1.8	2.0	2.6	2.9	5.7	6.4	2.2	1.6	2.23
VERMONT ORANGE COUNTY	65	24	.5	.5	.9	1.0	1.2	1.3	1.4	1.6	1.9	3.9	4.7	1.6	1.4	1.76
VIRGINIA SHENANDOAH PARK	65	25	.3	.7	.8	1.1	1.3	1.5	1.6	1.8	2.0	2.6	3.5	1.6	1.4	1.75
WISCONSIN DOOR COUNTY	65	21	.2	.2	.3	.4	.5	.6	1.2	1.8	2.3	4.4	5.9	1.5	.9	2.97
WYOMING YELLOWSTONE PARK	65	24		.1	.1	.1	.1	.2	.2	.3	.4	1.0	.2	.2	.2	2.13

Table 20. SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA BIRMINGHAM	65	24	1.6	3.8	6.2	8.6	10.8	12.0	13.4	15.0	15.8	19.7	27.9	12.2	10.4	1.89
HUNTSVILLE	65	26	3.7	4.5	4.9	5.6	6.2	6.9	7.0	8.3	12.0	14.1	20.8	8.5	7.9	1.62
MONTGOMERY	65	25	2.0	2.7	3.5	4.7	5.0	5.6	6.2	8.6	10.2	12.0	20.9	7.1	5.9	1.85
ARIZONA PARADISE VALLEY	65	26	.8	1.0	1.5	2.4	2.6	3.0	3.6	4.2	5.3	6.8	8.6	3.5	2.9	1.94
PHOENIX	65	26	1.2	1.4	2.0	2.2	2.3	3.0	3.6	5.0	6.2	10.2	13.9	4.5	3.5	2.01
TUCSON	65	25	.9	1.8	2.0	2.3	3.0	3.4	3.9	3.8	4.3	5.8	8.0	3.4	3.1	1.59
CALIFORNIA GLENDALE	65	26	2.7	3.8	5.5	6.2	7.6	8.3	9.4	9.9	12.9	16.7	49.9	10.5	8.5	1.87
LONG BEACH	65	25	6.9	7.3	8.6	9.4	9.9	14.6	15.7	18.2	20.6	23.2	41.9	14.9	13.3	1.61
LOS ANGELES	65	23	5.8	6.2	9.0	9.8	10.6	11.6	12.4	13.3	14.1	27.4	40.7	14.4	12.5	1.64
OAKLAND	65	24	5.1	5.8	6.8	7.3	7.9	8.2	8.6	10.7	11.6	19.7	32.8	10.4	9.3	1.57
SAN DIEGO	65	25	3.7	4.5	4.8	5.3	6.4	7.1	7.7	9.4	12.0	14.1	16.8	6.2	7.4	1.54
SAN FRANCISCO	65	26	1.2	2.3	3.4	3.8	4.0	4.4	4.9	5.3	10.2	14.1	38.4	7.2	5.2	2.14
COLORADO DENVER	65	24	1.7	1.8	2.2	2.4	2.9	3.2	3.8	5.0	5.3	6.2	17.6	4.7	3.7	1.88
CONNECTICUT HARTFORD	65	25	3.2	5.8	6.6	8.0	9.4	14.1	15.8	17.9	19.1	25.3	30.4	13.8	11.7	1.83
NEW BRITAIN	65	26	1.4	3.8	4.5	6.2	6.9	8.6	14.1	15.8	18.7	23.2	26.1	11.6	9.2	2.11
NEW HAVEN	65	24	4.7	6.8	14.6	15.7	18.2	20.1	20.8	21.8	22.5	27.4	42.4	18.7	17.0	1.62
NORWICH	65	24	3.9	5.3	6.9	7.6	8.6	10.2	12.0	14.1	16.7	21.5	40.8	12.5	10.8	1.72
WATERBURY	65	26	4.2	5.8	7.6	8.3	9.4	14.8	16.7	21.5	24.0	25.7	27.5	14.9	12.6	1.83
DELAWARE NEWARK	65	24	5.6	6.9	7.3	8.2	9.0	9.4	9.8	10.8	12.0	15.4	18.5	10.1	9.7	1.34
WILMINGTON	65	23	9.6	10.8	13.1	14.6	15.7	17.3	18.9	19.7	21.5	25.3	30.3	17.4	16.7	1.35
DIST. OF COL. WASHINGTON	65	24	7.8	8.6	11.4	13.1	14.8	15.6	16.9	18.2	19.7	21.8	21.1	15.4	14.8	1.33
FLORIDA FORT LAUDERDALE	64	21	2.3	2.2	2.4	2.7	2.9	3.2	3.8	4.8	5.3	5.9	9.9	3.9	3.6	1.47
GEORGIA ATLANTA	65	24	4.2	4.5	5.5	6.0	7.5	8.0	8.4	9.7	10.6	11.6	16.8	8.2	7.7	1.41
HAWAII MONOLULU	65	25	3.6	3.8	4.1	4.5	4.8	5.2	5.5	6.2	6.8	7.7	8.6	5.4	5.2	1.29
IDAHO BOISE	65	25	.9	2.0	2.3	2.7	3.0	3.4	3.7	4.3	4.9	6.8	10.0	3.8	3.4	1.66
ILLINOIS CHICAGO	65	24	5.1	6.2	8.0	10.2	14.1	15.8	17.7	20.9	23.2	25.7	25.3	15.9	14.2	1.67
EAST ST LOUIS	65	24	5.1	5.0	8.6	10.2	14.5	15.6	16.3	18.7	20.9	25.3	34.1	15.3	13.4	1.73
JOLIET	65	23	4.5	6.2	8.6	11.4	12.3	13.4	14.1	15.8	17.3	19.1	21.3	13.2	12.4	1.48

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev			
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
1965 data (continued)																	
ROCKFORD	65	26	2.5	3.8	4.3	5.8	6.8	7.8	8.6	9.1	9.7	10.2	14.1	7.5	6.8	1.57	
SPRINGFIELD	65	25	3.3	4.5	4.9	5.8	6.8	7.7	8.4	9.1	10.2	12.7	13.3	7.8	7.2	1.49	
INDIANA																	
BEVERLY SHORES	64	26	3.7	4.3	5.3	6.6	7.3	8.0	8.6	9.4	11.1	13.1	29.6	8.9	8.0	1.58	
	65	25	3.3	3.9	4.2	4.7	5.1	6.4	6.7	7.1	8.0	12.0	14.9	6.5	6.0	1.48	
DUNES POLICE POST	65	23	3.6	4.2	5.0	6.2	6.8	7.6	8.3	9.0	9.8	12.0	20.1	8.1	7.5	1.50	
DUNES STATE PARK	65	23	3.3	3.6	4.2	4.5	4.9	5.8	6.6	7.3	8.6	14.1	18.0	7.2	6.4	1.61	
EAST CHICAGO	65	25	6.5	8.6	12.0	14.1	15.8	17.7	18.7	21.5	23.9	26.0	26.5	17.4	16.3	1.47	
HAMMOND	65	25	5.3	6.9	8.0	9.7	10.8	12.7	14.1	18.7	20.3	22.0	23.0	13.6	12.6	1.57	
INDIANAPOLIS	65	25	4.8	7.3	8.6	9.8	11.1	12.8	13.7	15.8	17.5	19.7	22.6	12.8	11.9	1.49	
OGDEN DUNES	65	24	3.5	4.7	5.3	5.9	6.9	7.6	8.3	9.2	9.9	12.0	14.6	7.8	7.4	1.43	
PORTAGE	64	26	3.1	4.0	4.3	5.3	5.9	6.9	8.2	9.0	10.2	11.4	14.2	7.5	6.9	1.53	
SOUTH BEND	65	23	3.4	4.9	6.9	8.0	9.4	12.0	15.4	16.7	21.5	27.4	121.0	19.6	13.1	2.27	
IOWA																	
CEDAR RAPIDS	65	26	1.1	2.9	3.2	4.0	4.5	5.5	6.0	7.3	10.8	12.0	17.4	7.0	5.7	1.93	
DES MOINES	65	25	.5	2.3	3.2	4.8	5.3	6.4	6.9	8.0	9.0	10.2	17.3	6.7	5.5	2.09	
KANSAS																	
TOPEKA	65	25	1.3	1.6	2.0	2.7	3.0	3.8	4.5	4.8	5.1	8.6	23.8	4.7	3.6	1.95	
WICHITA	65	26	1.6	1.9	2.1	2.3	2.7	3.4	3.8	4.2	5.8	7.9	12.5	4.1	3.5	1.74	
KENTUCKY																	
LEXINGTON	65	24	3.6	4.5	5.5	6.0	6.9	7.7	8.6	9.8	12.0	14.1	23.8	8.9	8.0	1.57	
LOUISVILLE	65	23	6.3	8.0	9.7	10.6	11.3	12.3	12.8	13.3	13.8	15.8	26.7	12.1	11.7	1.33	
LOUISIANA																	
NEW ORLEANS	65	25	4.5	5.3	5.8	6.4	6.9	7.6	8.1	9.4	10.7	12.0	20.6	8.5	7.9	1.46	
SHREVEPORT	65	26	2.2	2.7	3.6	4.9	5.6	6.5	7.3	9.1	11.1	16.7	28.9	8.6	6.8	1.96	
MAINE																	
PORLTAND	65	22	4.8	5.0	6.2	9.0	9.8	10.4	10.9	11.3	12.0	14.1	32.8	10.6	9.7	1.52	
MARYLAND																	
BALTIMORE	65	26	6.7	7.3	8.9	9.9	11.1	13.4	16.7	18.7	22.0	29.9	36.9	16.0	14.2	1.69	
MASSACHUSETTS																	
BROCKTON	65	24	5.1	5.8	7.3	8.8	9.2	9.6	9.9	13.1	15.0	16.2	31.1	11.2	10.2	1.54	
LAWRENCE	65	23	5.6	5.8	6.9	7.7	8.6	10.2	11.1	12.0	13.4	18.2	48.9	10.9	9.8	1.57	
MICHIGAN																	
DETROIT	65	24	6.9	7.7	10.2	10.9	12.0	13.1	14.1	16.7	20.6	23.2	29.1	14.8	13.8	1.48	
FLINT	65	25	2.6	3.8	4.3	4.8	5.1	6.6	7.3	8.6	10.2	12.0	14.2	7.0	6.4	1.55	
GRAND RAPIDS	65	23	3.2	3.8	6.2	8.2	9.4	12.0	12.8	13.7	15.4	19.7	25.6	11.7	10.3	1.72	
TRENTON	65	25	5.3	7.6	8.3	9.7	10.4	11.0	11.4	12.0	15.0	20.9	22.7	11.8	11.1	1.41	
MINNESOTA																	
MINNEAPOLIS	65	25	2.2	2.9	3.2	3.8	4.3	5.3	6.9	8.2	8.9	9.9	10.4	5.9	5.3	1.64	
ST PAUL	65	26	1.7	1.9	2.7	3.8	4.3	5.5	6.0	6.6	8.6	9.7	16.6	5.7	4.9	1.81	

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
MISSISSIPPI JACKSON	65	24	1.6	2.2	2.7	3.0	3.8	4.2	4.5	5.0	5.3	7.3	14.6	4.5	4.1	1.59
MISSOURI KANSAS CITY	65	24	3.0	3.5	4.3	4.7	5.1	5.8	6.8	7.8	8.3	11.1	19.6	6.7	6.1	1.53
ST LOUIS	65	29	5.8	10.2	11.4	12.7	13.4	15.0	16.7	18.2	19.2	23.2	25.4	15.2	14.6	1.44
MONTANA HELENA	65	22	1.8	2.2	2.7	3.6	4.0	4.3	4.7	5.0	5.8	10.2	12.5	4.9	4.3	1.64
NEBRASKA OMAHA	65	29	2.8	3.1	3.5	4.5	4.9	5.9	6.0	6.9	8.0	10.2	14.8	6.2	5.6	1.58
NEVADA LAS VEGAS	65	26	2.9	3.2	3.4	3.8	4.8	5.5	6.0	6.5	7.3	8.6	11.9	5.6	5.3	1.47
RENO	65	29	2.3	3.5	3.8	4.2	4.5	5.3	6.4	7.8	8.3	11.1	15.4	6.3	5.7	1.58
NEW HAMPSHIRE CONCORD	65	29	2.8	3.4	3.7	4.2	4.5	5.1	5.9	6.0	8.6	11.4	12.2	6.0	5.5	1.56
NEW JERSEY BRIDGEPORT	65	24	3.6	4.5	6.2	6.6	7.3	8.2	9.1	10.8	12.0	16.7	23.4	9.6	8.7	1.56
GLASSBORO	64	29	3.4	4.9	6.8	8.6	9.1	9.7	10.2	10.9	11.6	14.1	20.9	9.9	9.2	1.53
	65	24	4.9	5.3	6.6	7.3	7.8	8.1	8.4	9.4	10.2	13.1	16.1	8.6	8.2	1.53
HAMILTON	65	23	6.6	7.7	9.4	10.8	12.0	15.0	16.7	17.9	19.1	27.4	36.9	15.9	14.3	1.59
JERSEY CITY	65	26	7.8	10.2	11.1	13.1	14.8	16.7	21.1	22.3	33.5	35.8	38.8	20.3	18.0	1.65
JUTLAND	64	20	5.2	6.2	7.3	8.6	9.7	10.6	11.3	12.0	13.1	14.1	21.1	10.8	10.2	1.41
	65	23	5.2	5.8	6.5	6.8	7.1	8.2	9.0	9.8	10.8	14.1	26.4	9.3	8.6	1.49
MARLTON	65	22	5.3	5.6	6.2	7.0	8.6	9.4	10.2	11.4	15.4	18.2	20.1	10.5	9.6	1.54
NEWARK	65	24	7.3	8.0	12.0	13.1	14.6	15.1	15.7	16.7	21.5	26.0	33.3	16.3	15.2	1.46
PATERSON	65	24	9.3	10.2	13.6	14.6	16.2	17.9	19.0	23.2	25.3	32.3	42.6	19.8	18.4	1.47
PEMBERTON	65	26	5.1	6.4	6.8	7.3	7.7	8.4	9.4	10.2	13.6	15.0	21.4	9.9	9.2	1.44
PERTH AMBOY	65	24	10.9	12.7	14.8	16.1	18.2	19.7	22.0	24.9	26.6	38.1	51.7	22.3	20.7	1.46
PRINCETON	65	21	2.1	6.6	7.3	7.8	8.3	10.7	11.6	13.1	15.0	16.7	21.2	11.0	9.9	1.64
NEW YORK NEW YORK CITY	65	24	9.0	12.0	14.1	19.7	21.8	23.2	27.4	36.2	40.4	53.0	70.1	28.8	29.1	1.72
NORTH CAROLINA CHARLOTTE	65	26	5.0	5.8	6.4	7.1	7.5	8.0	8.6	9.4	10.8	12.0	20.2	9.0	8.5	1.40
OHIO AKRON	65	25	5.8	7.7	8.6	12.0	14.6	16.2	17.3	19.1	21.5	25.3	27.3	15.6	14.3	1.54
CINCINNATI	65	25	8.2	10.2	10.7	11.3	11.8	12.7	13.4	14.8	16.1	19.7	24.4	13.6	13.1	1.30
CLEVELAND	65	26	7.0	8.0	11.4	12.7	13.4	14.6	16.2	17.7	20.9	23.2	33.0	15.9	15.0	1.44
COLUMBUS	65	29	4.6	6.8	7.7	9.0	9.8	11.4	12.9	14.1	17.5	19.7	20.6	12.0	11.2	1.51
TOLEDO	65	26	6.7	7.7	8.6	9.6	10.2	12.0	13.6	14.6	16.4	18.2	39.4	13.4	12.1	1.52
YOUNGSTOWN	65	26	6.6	9.4	10.6	11.6	14.5	15.8	17.3	18.5	20.6	22.3	27.0	15.8	14.9	1.44
OKLAHOMA OKLAHOMA CITY	65	26	2.4	3.3	3.6	3.9	4.2	4.5	5.3	6.8	8.2	9.1	14.9	5.7	5.1	1.56
TULSA	65	29	3.2	4.0	4.3	4.8	5.0	5.8	6.5	7.3	8.2	9.7	11.1	6.1	5.8	1.38

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
OREGON EUGENE	65	26	2.4	2.7	3.2	3.6	3.8	4.3	4.8	5.0	5.8	7.3	13.7	4.9	4.5	1.52
MEDFORD	65	24	2.2	2.2	2.9	3.2	3.6	3.8	4.3	6.2	7.3	14.1	22.9	6.2	4.9	1.93
PORTLAND	65	25	3.5	5.3	5.9	8.9	9.4	10.2	11.4	14.1	15.8	18.7	32.5	11.5	10.1	1.68
PENNSYLVANIA ALTOONA	65	21	3.3	6.2	8.6	10.2	11.1	12.5	13.6	16.7	19.7	24.6	27.2	14.0	12.7	1.57
BETHLEHEM	65	24	7.0	9.4	13.1	19.4	17.7	18.7	19.7	21.5	22.6	27.4	31.1	18.3	17.2	1.46
EMBREEVILLE	65	24	3.6	4.5	5.7	6.0	6.8	7.3	7.8	8.6	9.7	14.1	22.1	8.3	7.6	1.49
ERIE	65	24	6.4	8.6	7.3	8.6	11.4	12.4	13.3	15.4	17.5	19.7	27.5	12.9	11.9	1.50
JOHNSTOWN	65	24	7.4	8.6	11.1	12.0	13.3	14.1	14.8	16.0	16.7	23.2	29.4	14.9	14.2	1.37
LANCASTER	65	29	7.0	8.6	9.4	11.1	12.7	15.4	17.3	19.1	20.9	25.3	33.8	15.7	14.4	1.52
NESHAMINY	65	24	7.2	8.0	10.7	11.6	13.4	15.0	16.7	20.4	21.8	25.3	68.9	17.5	15.3	1.63
PHILADELPHIA	65	25	11.1	14.1	15.1	16.7	21.5	25.3	27.4	31.1	33.3	36.2	37.8	24.3	22.7	1.48
PIPERSVILLE	65	23	4.8	5.8	8.0	9.0	9.8	12.0	13.4	15.0	16.7	21.5	24.2	12.6	11.4	1.58
PITTSBURGH	65	24	5.5	8.6	9.8	11.1	13.4	14.6	15.7	17.7	19.7	24.6	25.2	15.0	13.9	1.49
READING	65	24	6.2	8.6	10.2	13.1	15.8	17.7	19.7	22.3	24.3	27.4	34.7	17.7	16.2	1.56
WEST CHESTER	65	24	5.2	6.2	6.9	7.3	8.3	9.1	10.2	11.3	12.0	16.7	22.3	10.2	9.5	1.45
YORK	65	26	7.8	8.3	9.4	10.9	11.6	13.4	15.8	18.2	22.0	24.3	26.5	15.1	14.0	1.49
PUERTO RICO BAYAMON	65	23	2.9	5.8	7.3	8.2	9.1	10.6	11.3	12.0	19.7	25.3	27.1	12.8	11.0	1.78
SAN JUAN	65	24	3.2	3.4	3.9	4.2	4.7	5.1	5.5	6.0	8.8	8.2	16.1	5.8	5.4	1.42
RHODE ISLAND EAST PROVIDENCE	65	24	3.1	3.5	4.8	5.3	7.3	8.2	9.4	11.1	12.0	17.7	18.8	9.0	8.0	1.68
PROVIDENCE	65	26	4.4	9.1	10.2	11.3	12.0	13.6	14.8	15.6	16.7	19.7	26.5	14.1	13.1	1.49
SOUTH CAROLINA CHARLESTON	65	25	4.1	4.7	5.1	6.4	6.8	7.7	8.6	10.2	11.1	14.1	20.3	8.7	7.9	1.54
SPARTANBURG	65	26	3.0	5.5	5.8	6.6	7.3	8.3	9.1	9.7	11.1	12.7	16.4	8.5	8.0	1.44
SOUTH DAKOTA SIOUX FALLS	65	26	1.1	1.4	1.7	2.3	4.6	3.0	4.2	4.8	5.8	6.6	10.3	3.8	3.2	1.82
TENNESSEE CHATTANOOGA	65	24	3.1	4.5	6.5	7.0	8.2	8.9	9.6	10.7	11.6	14.1	17.6	9.2	8.6	1.50
KNOXVILLE	65	25	3.8	6.2	7.3	8.1	8.6	10.7	11.4	12.0	14.1	16.7	18.6	10.6	9.9	1.50
MEMPHIS	65	26	3.0	3.5	3.8	4.5	4.9	5.5	6.0	6.6	10.2	11.1	18.7	6.6	5.9	1.58
NASHVILLE	65	24	4.5	4.9	6.2	7.3	7.9	8.2	8.6	11.1	12.7	15.4	17.4	9.4	8.8	1.46
TEXAS DALLAS	65	26	2.8	3.5	3.9	4.4	4.6	5.0	5.3	5.9	6.8	7.3	20.5	5.8	5.3	1.49
HOUSTON	65	29	1.3	3.8	4.2	4.8	5.3	5.8	6.2	8.6	10.2	14.1	16.0	7.0	6.1	1.74
SAN ANTONIO	65	25	1.6	2.4	2.5	2.7	3.0	3.6	3.9	4.3	4.5	5.3	5.3	3.6	3.4	1.36
UTAH SALT LAKE CITY	65	26	2.8	3.4	3.8	4.3	4.7	5.1	5.8	6.2	8.6	14.1	38.2	8.0	6.2	1.88
VERMONT BURLINGTON	65	25	3.1	4.5	5.5	6.0	6.4	7.1	7.6	8.6	9.7	11.4	15.3	7.6	7.1	1.44

Table 20 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
VIRGINIA HAMPTON	65	25	3.7	5.3	5.6	6.0	6.4	7.1	7.7	9.1	10.2	16.7	19.2	8.4	7.7	1.52
LYNCHBURG	65	25	3.3	5.3	6.2	6.9	7.3	8.1	8.6	10.8	12.0	18.2	22.2	9.6	8.7	1.58
NORFOLK	65	25	6.0	3.6	9.4	10.6	11.3	12.7	14.1	18.2	20.9	27.4	29.8	14.7	13.4	1.55
PORTSMOUTH	65	26	2.6	4.9	5.8	7.3	7.8	8.6	12.0	13.4	15.8	19.7	26.1	11.0	9.3	1.75
RICHMOND	65	25	6.0	6.9	7.7	9.0	9.8	10.9	11.6	14.1	15.8	19.7	26.8	12.1	11.2	1.48
ROANOKE	65	24	4.5	4.5	4.8	5.1	6.2	6.9	8.0	9.4	10.2	12.0	13.2	7.7	7.2	1.42
WASHINGTON SEATTLE	65	25	4.9	5.1	5.4	5.7	5.9	6.2	6.9	7.0	7.3	14.1	16.9	7.4	6.9	1.40
WEST VIRGINIA CHARLESTON	65	25	4.9	6.6	7.3	10.2	12.0	14.5	16.1	21.5	23.2	27.4	43.6	16.2	13.9	1.77
WEIRTON	65	23	6.2	7.3	9.7	12.0	12.6	13.5	14.1	15.1	16.4	18.7	19.9	13.2	12.7	1.36
WHEELING	65	25	5.3	6.8	10.2	11.3	12.0	14.1	15.0	16.3	19.7	23.2	30.3	14.1	12.9	1.55
WISCONSIN KENOSHA	65	25	4.3	4.5	5.0	6.2	7.6	8.6	9.2	10.2	14.5	14.1	15.5	8.8	8.1	1.51
MADISON	65	25	4.0	4.7	5.0	6.2	8.0	9.4	9.9	11.4	14.5	14.1	14.8	8.9	8.2	1.55
MILWAUKEE	65	25	5.2	5.3	6.2	7.3	8.0	9.4	10.8	12.3	12.9	13.8	16.4	9.6	9.0	1.44
WYOMING CHEYENNE	65	25	.7	.9	1.4	1.6	1.8	1.9	2.3	3.3	3.6	4.9	5.9	2.5	2.2	1.79

**Table 21. SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS**

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON PK	65	24	1.2	1.4	1.7	1.8	1.9	1.9	2.0	2.2	4.5	3.8	4.2	2.2	2.1	1.36
CALIFORNIA HUMBOLDT COUNTY	65	24	1.6	2.1	2.4	2.6	3.0	3.4	3.7	4.2	4.5	5.9	7.8	3.7	3.5	1.47
COLORADO MONTEZUMA COUNTY	65	23	.9	.9	1.6	2.1	2.3	2.6	2.8	3.0	3.2	3.7	4.0	2.5	2.3	1.54
DELAWARE KENT COUNTY	65	23	4.0	4.9	6.5	7.0	7.7	8.9	9.6	10.2	11.1	14.1	23.7	9.5	8.7	1.51
FLORIDA FLORIDA KEYS	64	21	2.3	2.2	2.4	2.7	2.9	3.2	3.8	4.8	5.3	5.9	9.9	3.9	3.6	1.47
IDAHO BUTTE COUNTY	65	23	1.1	1.4	1.8	1.9	2.0	2.2	2.3	2.5	2.7	3.7	4.3	2.4	2.3	1.38
INDIANA PARKE COUNTY	65	25	1.3	4.5	6.2	6.7	7.0	7.5	7.9	8.4	9.4	13.6	14.8	8.0	7.3	1.63
IOWA DELAWARE COUNTY	65	25	1.0	2.5	3.2	4.2	4.7	5.1	6.4	6.7	7.0	8.6	10.7	5.3	4.7	1.68
MAINE ACADIA NAT PARK	65	22	1.8	2.0	2.6	3.0	3.8	4.5	6.4	7.3	12.0	14.1	16.9	6.7	5.3	2.05
MARYLAND CALVERT COUNTY	65	26	6.9	5.8	6.8	7.8	8.3	9.4	12.0	14.1	16.1	19.7	28.6	11.6	10.4	1.61
MISSISSIPPI JACKSON COUNTY	65	25	2.0	3.9	4.2	4.8	5.3	5.7	5.9	6.6	7.3	8.1	8.4	5.7	5.5	1.38
MISSOURI SHANNON COUNTY	65	26	2.8	3.4	3.8	4.2	4.4	4.9	5.5	6.0	6.9	7.7	10.0	5.3	5.0	1.38
MONTANA GLACIER NAT PARK	65	23	2.2	2.3	2.6	2.8	2.9	3.1	3.4	3.8	4.3	4.9	5.1	3.4	3.3	1.30
NEBRASKA THOMAS COUNTY	65	26	2.1	2.4	2.7	3.0	3.1	3.4	3.7	3.9	4.3	4.5	5.9	3.5	3.4	1.29
NEVADA WHITE PINE CO	65	23	2.2	2.5	2.9	3.1	3.3	3.5	3.6	3.7	4.0	4.5	8.5	3.8	3.6	1.34
NEW HAMPSHIRE COOS COUNTY	65	23	1.6	2.3	3.4	3.8	4.5	5.5	5.8	6.2	6.9	12.0	17.1	6.1	5.2	1.74
NEW MEXICO RIO ARRIBA COUNTY	65	25	.7	1.2	1.4	1.8	1.9	2.2	2.5	2.9	3.1	3.8	5.4	2.6	2.1	1.61
NEW YORK CAPE VINCENT	65	25	3.6	4.0	4.5	6.6	7.3	9.4	12.0	13.3	14.1	18.2	24.8	10.0	8.7	1.76
NORTH CAROLINA CAPE HATTERAS	65	25	1.2	2.7	3.3	6.8	8.6	9.6	10.2	11.1	11.7	16.7	21.0	9.2	7.8	1.92
OKLAHOMA CHEROKEE COUNTY	65	26	1.6	1.9	2.1	2.3	2.6	3.2	3.7	4.0	4.8	5.3	17.7	4.3	3.4	1.85
OREGON CURRY COUNTY	65	24	1.3	1.9	2.5	2.8	3.0	3.1	3.2	4.0	4.3	8.0	10.3	3.8	3.4	1.62
PENNSYLVANIA CLARION COUNTY	65	25	1.7	3.8	4.8	6.8	7.6	8.3	9.1	11.1	13.1	16.7	19.2	9.0	7.8	1.78
RHODE ISLAND WASHINGTON CO	65	26	3.9	4.5	5.0	6.2	6.6	7.1	10.8	12.0	15.4	16.7	90.0	12.6	9.1	2.00

Table 21 (continued). SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
SOUTH DAKOTA BLACK HILLS	65	26	1.4	1.4	1.6	1.7	1.8	2.0	2.4	2.5	2.7	3.0	3.4	2.2	2.1	1.30
TEXAS MATAGORDA COUNTY	65	25	1.3	1.6	2.2	2.7	3.0	3.5	4.0	4.5	5.3	6.0	7.8	3.7	3.3	1.67
VERMONT ORANGE COUNTY	65	24	3.2	3.4	4.0	4.5	4.9	5.2	5.6	6.6	7.3	11.1	19.6	6.2	5.7	1.50
VIRGINIA SHENANDOAH PARK	65	25	1.5	3.0	3.4	4.0	4.5	5.1	5.5	6.2	8.0	12.0	18.3	6.1	5.3	1.72
WISCONSIN DOOR COUNTY	65	21	1.5	1.6	1.9	2.7	3.0	4.9	6.2	7.3	8.9	10.2	11.8	5.2	4.3	1.96
WYOMING YELLOWSTONE PARK	65	24	.3	.8	.9	1.3	1.4	1.7	2.5	2.9	3.5	4.0	1.7	1.3	2.74	

Table 22. ANTIMONY, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter							
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000			
GADSDEN	64	.000	.000	.000	.000	.000			
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000			
PARADISE VALLEY	65	.000	.000	.000	.000	.000			
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000			
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000			
BURBANK	64	.000	.000	.000	.000	.000			
MONTEREY	64	.000	.000	.000	.000	.000			
SAN JOSE	63	.000	.000	.000	.000	.000			
CONNECTICUT BRIDGEPORT	62	.000	.000	.000	.000	.000			
HARTFORD	64	.000	.000	.000	.000	.000			
NEW HAVEN	64	.000	.000	.000	.000	.000			
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000			
IDAHO BOISE	65	.000	.000	.000	.000	.000			
ILLINOIS MOLINE	64	.000	.000	.000	.000	.000			
ROCK ISLAND	64	.000	.000	.000	.000	.000			
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000			
EVANSVILLE	64	.000	.000	.000	.000	.000			
FORT WAYNE	64	.000	.000	.000	.000	.000			
TERRE HAUTE	63	.000	.000	.000	.000	.000			
WEST LAFAYETTE	64	.000	.000	.000	.000	.000			
IOWA DUBUQUE	64	.000	.000	.000	.000	.000			
KENTUCKY ASHLAND	64	.000	.000	.000	.000	.000			
COVINGTON	64	.000	.000	.000	.000	.000			
MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000			
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000			
LYNN	62	.000	.000	.000	.000	.000			
SOMERVILLE	62	.000	.000	.000	.000	.000			
SPRINGFIELD	64	.000	.000	.000	.000	.000			
MICHIGAN KALAMAZOO	60	.000	.000	.000	.000	.000			
MUSKEGON	63	.000	.000	.000	.000	.000			
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000			
NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000			
NEW JERSEY BAYONNE	65	.000	.000						
BRIDGETON	65	.000	.000	.000	.000	.000			
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000			
OHIO AKRON	65	.000	.000	.000	.000	.000			
PENNSYLVANIA ALLENTOWN	65	.000	.000						
ALTOONA	65	.000	.000	.000	.000	.000			
BETHLEHEM	65	.000	.000	.000	.000	.000			
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000			
VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000			
RICHMOND	65	.000	.000	.000	.000	.000			

Table 23. ANTIMONY, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )			
		Collected	Above Detectable Quantity				
CALIFORNIA SAN BERNARDINO	63	27	0				
FLORIDA TAMPA	63	23	0				
INDIANA HAMMOND	63	26	0				
INDIANAPOLIS	64	26	0				
KANSAS WICHITA	64	25	0				
MINNESOTA MINNEAPOLIS	64	26	0				
NEW MEXICO ALBUQUERQUE	63	25	0				
NEW YORK NEW YORK	57	25	0				
ROCHESTER	60	26	2	.068			
OHIO YOUNGSTOWN	62	25	0				
YOUNGSTOWN	63	26	0				
OREGON PORTLAND	63	20	0				
PORTLAND	64	25	1	.085			
PENNSYLVANIA JOHNSTOWN	63	23	0				
TENNESSEE MEMPHIS	64	24	1	.042			
NASHVILLE	64	26	0				
TEXAS HOUSTON	64	24	2	.062			
UTAH SALT LAKE CITY	64	24	0				

Table 24. ANTIMONY, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000	0.006	0.000	0.000	0.002	NEW HAMPSHIRE COOS CO	65	0.000	0.000	0.000	0.000	0.000
MARICOPA CO	65	0.000	0.000	0.000	0.000	0.000	NEW MEXICO RIO ARRIBA CO	65	0.000	0.000	0.000	0.005	0.001
ARKANSAS MONTGOMERY CO	65	0.000	0.000	0.000	0.006	0.002	NEW YORK CAPE VINCENT	65	0.000	0.000	0.000	0.000	0.000
CALIFORNIA HUMBOLDT CO	65	0.000	0.000	0.000	0.000	0.000	NORTH CAROLINA CAPE HATTERAS	65	0.000	0.000	0.000	0.000	0.000
COLORADO MONTEZUMA CO	65	0.000	0.000	0.000	0.000	0.000	OKLAHOMA CHEROKEE CO	65	0.000	0.000	0.000	0.000	0.000
INDIANA PARKE CO	65	0.000	0.000	0.000	0.000	0.000	OREGON CURRY CO	65	0.000	0.000	0.000	0.000	0.000
ICWA DELAWARE CO	65	0.000	0.000	0.000	0.000	0.000	PENNSYLVANIA CLARION CO	65	0.000	0.000	0.000	0.000	0.000
MAINE ACADIA NATL PK	65	0.000	0.000	0.000	0.000	0.000	RHODE ISLAND WASHINGTON CO	65	0.000	0.000	0.000	0.000	0.000
MARYLAND CALVERT CO	65	0.000	0.000	0.000	0.000	0.000	SCOUTH CAROLINA RICHLAND CO	65	0.000	0.000	0.000	0.000	0.000
MISSISSIPPI JACKSON CO	65	0.000	0.000	0.000	0.000	0.000	SCOUTH DAKOTA BLACK HILLS	65	0.000	0.000	0.000	0.000	0.000
MISSOURI SHANNON CO	65	0.000	0.000	0.000	0.000	0.000	TEXAS MATAGORA CO	65	0.000	0.000	0.000	0.000	0.000
MONTANA GLACIER NATL PK	65	0.000	0.000	0.000	0.000	0.000	VERMONT ORANGE CO	65	0.000	0.000	0.000	0.000	0.000
NEBRASKA THOMAS CO	65	0.000	0.000	0.000	0.000	0.000	VIRGINIA SHENANDOAH PK	65	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	65	0.000	0.000	0.000	0.000	0.000	WISCONSIN DOOR CO	65	0.000	0.000	0.000	0.000	0.000
							WYOMING YELLOWSTONE PK	65	0.000	0.000	0.000	0.000	0.000

Table 25. BERYLLIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000	KENTUCKY ASHLAND	64	.000	.000	.000	.000	.000
GAOSEN	64	.000	.000	.000	.000	.000	COVINGTON	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000	MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.000	.000	.000	.000	.000	MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
ARKANSAS TXARKANA	64	.000	.000	.000	.000	.000	LYNN	62	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000	SOMERVILLE	62	.000	.000	.000	.000	.000
AURBANK	64	.000	.000	.000	.000	.000	SPRINGFIELD	64	.000	.000	.000	.000	.000
MONTEREY	64	.000	.000	.000	.000	.000	MICHIGAN KALAMAZOC	60	.000	.000	.000	.001	.000
SAN JOSE	63	.000	.000	.000	.000	.000	YUSKEGON	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.000	.001	.000	.000	.000	MINNESOTA DOORHEAD	64	.000	.000	.000	.000	.000
HARTFORD	64	.000	.000	.000	.000	.000	NEBRASKA LINCOLN	62	.001	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000	NEW JERSEY BAYONNE	65	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000	BRIDGETON	65	.000	.000	.000	.000	.000
IDAHO BOISE	65	.000	.000	.000	.000	.000	NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.000	.000	.000	.000	.000	OHIO AKRON	65	.000	.000	.000	.001	.000
ROCK ISLAND	64	.000	.000	.000	.000	.000	PENNSYLVANIA ALLENTOWN	65	.000	.000	.000	.000	.000
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000	ALTOONA	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000	RETHLEHEN	65	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000	PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000	VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.000	.000	RICHMOND	65	.000	.000	.000	.000	.000
IOWA DUBUQUE	64	.000	.000	.000	.000	.000							

Table 26. BERYLLIUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )
		Collected	Above Detectable Quantity	
CALIFORNIA SAN BERNARDINO	63	22	0	
FLORIDA TAMPA	63	23	0	
INDIANA HAMMOND	63	26	3	.001
INDIANAPOLIS	64	26	4	.001
KANSAS WICHITA	64	25	0	
MINNESOTA MINNEAPOLIS	64	26	0	
NEW MEXICO ALBUQUERQUE*	63	25	2	.0003
NEW YORK NEW YORK	57	25	6	.002
ROCHESTER	60	26	6	.001

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )
		Collected	Above Detectable Quantity	
OHIO YOUNGSTOWN	62	25	10	.001
YOUNGSTOWN	63	26	19	.002
OREGON PORTLAND	63	20	0	
PORTLAND	64	25	0	
PENNSYLVANIA JOHNSTOWN	63	23	0	
TENNESSEE MEMPHIS	64	24	1	.0002
NASHVILLE	64	26	0	
TEXAS HOUSTON	64	24	0	
UTAH SALT LAKE CITY	64	24	0	

Table 27. BERYLLIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly Avg.
ARIZONA GRAND CANYON PK	65	0.00000	0.00000	0.00000	0.00000	0.00000	NEW YORK CAPE HORN CENT	65	0.00000	0.00100	0.00000	0.00000	0.00000
MARICOPA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	NORTH CAROLINA CAPE HATTERAS	65	0.00000	0.00000	0.00000	0.00000	0.00000
ARKANSAS MONTGOMERY CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	OKLAHOMA CHEOKEE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
CALIFORNIA HUMBOLDT CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	OREGON CURRY CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
COLORADO MONTEZUMA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	PENNSYLVANIA CLARION CO	65	0.00015	0.00015	0.00000	0.00000	0.00000
INDIANA PARKE CO	65	0.00000	0.00000	0.00013	0.00000	0.00003	RHODE ISLAND WASHINGTON CO	65	0.00000	0.00000	0.00000	0.00014	0.00004
ICHA DELAWARE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	SOUTH CAROLINA RICHLAND CO	65	0.00012	0.00000	0.00000	0.00000	0.00003
MAINE ACADIA NATL PK	65	0.00000	0.00000	0.00000	0.00000	0.00000	SOUTH DAKOTA BLACK HILLS FRS	65	0.00000	0.00000	0.00000	0.00000	0.00000
MARYLAND CALVERT CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	TEXAS MATAGORDA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MISSISSIPPI JACKSON CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	VERMONT ORANGE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
MISSOURI SHANNON CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	VIRGINIA SHEMAMDCAH PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
MONTANA GLACIER NATL PK	65	0.00000	0.00000	0.00000	0.00000	0.00000	WISCONSIN DOOR CO	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEBRASKA THOMAS CO	65	0.00000	0.00000	0.00000	0.00000	0.00000	WYOMING YELLOWSTONE PK	65	0.00000	0.00000	0.00000	0.00000	0.00000
NEVADA WHITE PINE CO	65	0.00000	0.00000	0.00000	0.00000	0.00000							
NEW HAMPSHIRE COOS CO	65	0.00000	0.00000	0.00000	0.00000	0.00000							
NEW MEXICO KIO APRIBA CO	65	0.00000	0.00000	0.00000	0.00000	0.00000							

Table 28. BISMUTH, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000	KENTUCKY ASHLAND	64	.003	.002	.001	.004	.003
GADSDEN	64	.000	.000	.000	.000	.000	COVINGTON	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.001	.000	.000	.003	.001	MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.001	.000	.001	.001	.001	MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000	LYNN	62	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000	SOMERVILLE	62	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.000	.000	.000	SPRINGFIELD	64	.000	.000	.000	.000	.000
MONTEREY	64	.000	.000	.000	.000	.000	MICHIGAN KALAMAZOO	60	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000	MUSKEGON	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.000	.000	.000	.000	.000	MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
HARTFORD	64	.000	.000	.000	.000	.000	NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000	NEW JERSEY BAYONNE	65	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000	BRIDGETON	65	.000	.000	.000	.000	.000
IDAHO BOISE	65	.000	.000	.000	.000	.000	NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.000	.000	.000	.000	.000	OHIO AKRON	65	.000	.000	.000	.000	.000
ROCK ISLAND	64	.000	.000	.000	.000	.000	PENNSYLVANIA ALLENTOWN	65	.000	.000	.000	.000	.000
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000	ALTOONA	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000	BETHLEHEM	65	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.001	.001	.001	PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000	VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.000	.000	RICHMOND	65	.000	.000	.000	.000	.000
IOWA DUBUQUE	64	.000	.000	.000	.000	.000							

Table 29. BISMUTH, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )	
		Collected	Above Detectable Quantity		
CALIFORNIA SAN BERNARDINO	63	22	0		
FLORIDA TAMPA	63	23	0		
INDIANA HAMMOND	63	24	0		
INDIANAPOLIS	64	24	6	.003	
KANSAS WICHITA	64	25	0		
MINNESOTA MINNEAPOLIS	64	26	2	.002	
NEW MEXICO ALBUQUERQUE	63	24	0		
NEW YORK NEW YORK	57	25	16	.038	
ROCHESTER	60	24	1	.001	
OHIO YOUNGSTOWN	62	25	0		
YOUNGSTOWN	63	26	3	.006	
OREGON PORTLAND	63	20	0		
PORTLAND	64	25	0		
PENNSYLVANIA JOHNSTOWN	63	23	0		
TENNESSEE MEMPHIS	64	24	0		
NASHVILLE	64	26	0		
TEXAS HOUSTON	64	24	0		
UTAH SALT LAKE CITY	64	24	3	.009	

Table 30. BISMUTH, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000	0.000	0.000	0.000	0.000	NEW YORK CAPE VINCENT	65	0.000	0.000	0.000	0.0006	0.0001
MARICOPA CO	65	0.0013	0.000	0.0005	0.0007	0.0006	NORTH CAROLINA CAPE HATTERAS	65	0.000	0.000	0.000	0.000	0.000
ARKANSAS MONTGOMERY CO	65	0.000	0.000	0.000	0.000	0.000	OKLAHOMA CHEROKEE CO	65	0.000	0.000	0.000	0.000	0.000
CALIFORNIA HUMBOLDT CO	65	0.000	0.000	0.000	0.000	0.000	OREGON CURRY CO	65	0.000	0.000	0.000	0.000	0.000
COLORADO MONTEZUMA CO	65	0.000	0.000	0.000	0.000	0.000	PENNSYLVANIA CLARION CO	65	0.000	0.000	0.000	0.000	0.000
INDIANA PARKE CO	65	0.000	0.000	0.000	0.000	0.000	RHODE ISLAND WASHINGTON CO	65	0.000	0.000	0.000	0.000	0.000
IOWA DELAWARE CO	65	0.000	0.000	0.000	0.000	0.000	SOUTH CAROLINA RICHLAND CO	65	0.000	0.000	0.000	0.000	0.000
MAINE ACADIA NATL PK	65	0.000	0.000	0.000	0.000	0.000	SOUTH DAKOTA BLACK HILLS FRS	65	0.000	0.000	0.000	0.000	0.000
MARYLAND CALVERT CO	65	0.000	0.000	0.000	0.000	0.000	TEXAS MATAGORA CO	65	0.000	0.000	0.000	0.000	0.000
MISSISSIPPI JACKSON CO	65	0.000	0.000	0.000	0.000	0.000	VERMONT ORANGE CO	65	0.000	0.000	0.000	0.000	0.000
MISSOURI SHANNON CO	65	0.000	0.000	0.000	0.000	0.000	VIRGINIA SHENANDOAH PK	65	0.000	0.000	0.000	0.000	0.000
MONTANA GLACIER NATL PK	65	0.000	0.000	0.000	0.000	0.000	WISCONSIN DOOR CO	65	0.000	0.000	0.000	0.000	0.000
NEBRASKA THOMAS CO	65	0.000	0.000	0.000	0.000	0.000	WYOMING YELLOWSTONE PK	65	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	65	0.000	0.000	0.000	0.000	0.000							
NEW HAMPSHIRE COOS CO	65	0.000	0.000	0.000	0.000	0.000							
NEW MEXICO RIO ARRIBA CO	65	0.000	0.000	0.000	0.000	0.000							

Table 31. CADMIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.013	.000	.000	.020	.008
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.006	.000	.003	.000	.002
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.016	.000	.004
MONTEREY	64	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.010	.000	.020	.021	.013
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.010	.018	.010	.031	.017
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.012	.000	.000	.000	.003
ROCK ISLAND	64	.000	.000	.010	.012	.006
INDIANA BEVERLY SHORES	65	.008	.010	.000	.000	.005
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.014	.004
IOWA DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.036	.027	.027	.075	.041
COVINGTON	64	.030	.041	.110	.020	.050
MARYLAND BALTIMORE	65	.000	.000	.000	.011	.003
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000	.000	.000
SOMERVILLE	62	.000	.018	.000	.000	.005
SPRINGFIELD	64	.010	.000	.000	.000	.003
MICHIGAN KALAMAZOO	60	.000	.000	.000	.010	.003
MUSKEGON	63	.023	.034	.035	.049	.035
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.015	.000	.000	.000	.004
NEW JERSEY BAYONNE	65	.012	.080			
BRIDGETON	65	.011	.008	.008	.000	.007
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.009	.000	.017	.000	.007
PENNSYLVANIA ALLENTOWN	65	.010	.010		.000	
ALTOONA	65	.021	.000	.000	.000	.005
BETHLEHEM	65	.045	.000	.000	.019	.016
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.009	.000	.008	.000	.004
RICHMOND	65	.000	.000	.000	.000	.000

Table 32. CADMIUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )	
		Collected	Above Detectable Quantity		
CALIFORNIA SAN BERNARDINO	63	27	1	.023	
FLORIDA TAMPA	63	23	3	.028	
INDIANA HAMMOND	63	26	5	.055	
INDIANAPOLIS	64	26	6	.013	
KANSAS WICHITA	64	25	1	.009	
MINNESOTA MINNEAPOLIS	64	26	0		
NEW MEXICO ALBUQUERQUE	63	25	0		
NEW YORK NEW YORK	57	25	20	.069	
ROCHESTER	60	26	15	.034	
CHIO YOUNGSTOWN	62	25	5	.011	
YOUNGSTOWN	63	26	17	.370	
OREGON PORTLAND	63	20	1	.023	
PORTLAND	64	26	4	.064	
PENNSYLVANIA JOHNSTOWN	63	23	2	.014	
TENNESSEE MEMPHIS	64	24	0		
NASHVILLE	64	26	7	.094	
TEXAS HOUSTON	64	24	0		
UTAH SALT LAKE CITY	64	24	2	.048	

Table 33. CADMIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0000	0.0000	0.0000	NEW HAMPSHIRE COOS CC	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARICOPA CO	65	0.0042	0.0000	0.0026	0.0000	0.0022	NEW MEXICO RIO GRANDE FC	65	0.0000	0.0000	0.0000	0.0000	0.0000
ARKANSAS MONTGOMERY CO	65	0.0017	0.0000	0.0000	0.0000	0.0004	NEW YORK CAPE VINCENT	65	0.0026	0.0059	0.0000	0.0096	0.0045
CALIFORNIA HUMBOLDT CO	65	0.0010	0.0000	0.0000	0.0000	0.0000	NORTH CAROLINA CAPE HATTERAS	65	0.0026	0.0000	0.0023	0.0000	0.0012
COLORADO MONTEZUMA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	OKLAHOMA CHEROKEE CO	65	0.0042	0.0000	0.0000	0.0017	0.0015
INDIANA PARKE CO	65	0.0018	0.0019	0.0052	0.0018	0.0027	OREGON CURRY CO	65	0.0055	0.0010	0.036	0.0000	0.0104
ICELAND DELAWARE CO	65	0.0072	0.0000	0.0035	0.0000	0.0014	PENNSYLVANIA CLADIN CO	65	0.755	0.040	0.0088	0.0024	0.026
MAINE ACADIA + ATL PK	65	0.0000	0.0021	0.0057	0.0017	0.0024	RHODE ISLAND WASHINGTON CO	65	0.0019	0.0000	0.0019	0.043	0.011
MARYLAND CALVERT CO	65	0.0029	0.0000	0.0031	0.0051	0.0028	SOUTH CAROLINA RICHLAND CO	65	0.019	0.0070	0.0000	0.0026	0.0072
MISSISSIPPI JACKSON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0000	0.0000	0.0000	0.0000
MISSOURI SHANNON CR	65	0.0000	0.0000	0.0000	0.0015	0.0004	TEXAS MATAGORDA CO	65	0.0000	0.0000	0.0000	0.0016	0.0004
MONTANA GLACIER NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000	VERMONT ORANGE CO	65	0.013	0.0000	0.0000	0.0038	0.0042
NEBRASKA THOMAS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	VIRGINIA SHENANDOAH PK	65	0.0000	0.0036	0.0024	0.0000	0.0015
NEVADA WHITE PINE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	WISCONSIN DODR CC	65	0.0000	0.0000	0.0000	0.0000	0.0000
							WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 34. CHROMIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.008	.000	.010	.005
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.002	.002	.002	.000	.002
ARKANSAS TEXARKANA	64	.005	.000	.000	.000	.001
CALIFORNIA BAKERSFIELD	64	.007	.007	.008	.009	.008
BURBANK	64	.006	.007	.018	.005	.009
MONTEREY	64	.000	.007	.005	.008	.005
SAN JOSE	63	.007	.000	.000	.000	.002
CONNECTICUT BRIDGEPORT	62	.000	.006	.006	.000	.003
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.006	.000	.002
IDAHO BOISE	65	.000	.000	.000	.005	.001
ILLINOIS MOLINE	64	.005	.007	.007	.009	.007
ROCK ISLAND	64	.000	.000	.009	.000	.002
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.005	.000	.007	.003
WEST LAFAYETTE	64	.000	.000	.000	.006	.002
IOWA DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.005	.010	.007	.006	.007
COVINGTON	64	.009	.011	.018	.011	.012
MARYLAND BALTIMORE	65	.028	.016	.015	.013	.018
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000	.000	.000
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN KALAMAZOO	60	.011	.029	.010	.027	.019
MUSKEGON	63	.000	.005	.007	.000	.003
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000
NEW JERSEY BAYONNE	65	.005	.011			
BRIDGETON	65	.000	.005	.005	.000	.003
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.006	.002
OHIO AKRON	65	.009	.006	.011	.009	.009
PENNSYLVANIA ALLENTOWN	65	.008	.000			
ALTOONA	65	.007	.000	.000	.000	.002
BETHLEHEM	65	.005	.000	.005	.010	.005
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.006	.006	.005	.000	.004
RICHMOND	65	.000	.000	.000	.000	.000

Table 35. CHROMIUM, URBAN FREQUENCY DISTRIBUTIONS.

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22				.001	.001	.001	.001	.008	.016	.036	.004	.001	4.70	
FLORIDA TAMPA	63	23			.001	.001	.001	.005	.006	.008	.009	.018	.004	.002	4.21	
INDIANA LAFAYETTE	63	25			.001	.001	.001	.008	.010	.014	.027	.031	.008	.002	5.82	
INDIANAPOLIS	64	26		.001	.001	.008	.009	.011	.013	.015	.016	.020	.008	.004	4.88	
KANSAS KICHLITA	64	25					.001	.001	.001	.001	.001	.007	.001	.001	2.04	
MINNESOTA MINNEAPOLIS	64	26					.001	.001	.001	.001	.001	.022	.002	.001	2.76	
NEW MEXICO ALBUQUERQUE	63	25					.001	.001	.001	.001	.001	.006		.001	1.65	
NEW YORK NEW YORK CITY	57	25	.001	.007	.010	.010	.014	.021	.027	.030	.052	.073	.021	.012	3.95	
ROCHESTER	60	26	.019	.024	.026	.033	.037	.041	.044	.046	.060	.095	.290	.055	.044	1.81
OHIO YOUNGSTOWN	62	25			.001	.001	.001	.001	.009	.011	.016	.030	.005	.002	5.03	
	63	26			.001	.001	.006	.007	.008	.009	.012	.018	.031	.012	.006	4.48
	62 63	51			.001	.001	.006	.008	.010	.014	.024	.054	.009	.003	5.26	
OREGON PORTLAND	63	20				.001	.001	.001	.001	.012	.012	.041	.004	.001	4.40	
	64	25				.001	.001	.001	.001	.009	.016	.023	.004	.001	4.72	
	63 64	45				.001	.001	.001	.001	.009	.016	.041	.004	.001	4.52	
PENNSYLVANIA JOHNSTOWN	63	23				.001	.001	.001	.005	.009	.011	.024	.060	.010	.002	6.03
TENNESSEE MEMPHIS	64	24					.001	.001	.001	.001	.001	.006		.001	1.67	
NASHVILLE	64	26		.001	.001	.001	.006	.007	.009	.017	.031	.069	.011	.006	5.71	
TEXAS HOUSTON	64	24				.001	.001	.001	.011	.012	.013	.015	.004	.001	4.75	
UTAH SALT LAKE CITY	64	24					.001	.001	.001	.001	.005	.007	.001	.001	2.33	

Table 36. CHROMIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0012	0.0012	0.0011	0.0012	0.0011	NEW YORK CAPE VINCENT	65	0.0015	0.021	0.0010	0.0042	0.0069
MARICOPA CO	65	0.0023	0.0017	0.0016	0.0000	0.0014	NORTH CAROLINA CAPE HATTERAS	65	0.0027	0.0000	0.0017	0.0019	0.0015
ARKANSAS MONTGOMERY CO	65	0.0022	0.0022	0.0016	0.0025	0.0021	OKLAHOMA CHEROKEE CO	65	0.00088	0.0014	0.0017	0.0000	0.0010
CALIFORNIA HUMBOLDT CO	65	0.0036	0.0013	0.0024	0.0015	0.0022	OREGON CURRY CO	65	0.0000	0.0000	0.0014	0.0000	0.00038
COLORADO MONTEZUMA CO	65	0.0037	0.0018	0.0035	0.0025	0.0028	PENNSYLVANIA CLARION CO	65	0.0065	0.0091	0.0051	0.0073	0.0070
INDIANA PARKE CO	65	0.0030	0.0026	0.0038	0.0015	0.0027	RHODE ISLAND WASHINGTON CO	65	0.0025	0.0047	0.0018	0.0055	0.0036
IOWA DELAWARE CO	65	0.0018	0.0020	0.0031	0.0018	0.0021	SOUTH CAROLINA RICHLAND CO	65	0.0040	0.0022	0.0000	0.0019	0.0020
MAINE ACADIA NATL PK	65	0.0014	0.020	0.0083	0.0068	0.0091	SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0011	0.0000	0.0011	0.00055
MARYLAND CALVERT CO	65	0.0000	0.0010	0.0015	0.0016	0.0010	TEXAS MATAGORA CO	65	0.0032	0.0020	0.0022	0.0030	0.0026
MISSISSIPPI JACKSON CO	65	0.0071	0.027	0.0097	0.0043	0.012	VERMONT ORANGE CO	65	0.0044	0.0000	0.0030	0.0031	0.0026
MISSOURI SHANNON CO	65	0.00089	0.0014	0.0019	0.0017	0.0014	VIRGINIA SHENANDOAH PK	65	0.0022	0.0000	0.0022	0.0029	0.0018
MONTANA GLACIER NATL PK	65	0.0038	0.0012	0.0014	0.0000	0.0016	WISCONSIN DOOR CO	65	0.0019	0.0015	0.0017	0.0024	0.0018
NEBRASKA THOMAS CO	65	0.0026	0.0026	0.0014	0.0012	0.0019	WYOMING YELLOWSTONE PK	65	0.0027	0.0000	0.0000	0.0000	0.00068
NEVADA WHITE PINE CO	65	0.0028	0.0021	0.0000	0.0000	0.0012							
NEW HAMPSHIRE COOS CO	65	0.0000	0.0014	0.0011	0.0022	0.0011							
NEW MEXICO RIO ARRIBA CO	65	0.0036	0.0048	0.0044	0.0053	0.0045							

Table 37. COBALT, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.000	.000	.000	.000	.000
GADSDEN	64	.000	.000	.000	.000	.000
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000
PARADISE VALLEY	65	.000	.000	.000	.000	.000
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000
CALIFORNIA BAKERSFIELD	64	.000	.000	.000	.000	.000
BURBANK	64	.000	.000	.000	.000	.000
MONTEREY	64	.000	.000	.000	.000	.000
SAN JOSE	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.000	.000	.000	.000	.000
HARTFORD	64	.000	.000	.000	.000	.000
NEW HAVEN	64	.000	.000	.000	.000	.000
GEORGIA ATLANTA	65	.000	.000	.000	.000	.000
IDAHO BOISE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.000	.000	.000	.000	.000
ROCK ISLAND	64	.000	.000	.000	.000	.000
INDIANA BEVERLY SHORES	65	.000	.000	.000	.000	.000
EVANSVILLE	64	.000	.000	.000	.000	.000
FORT WAYNE	64	.000	.000	.000	.000	.000
TERRE HAUTE	63	.000	.000	.000	.000	.000
WEST LAFAYETTE	64	.000	.000	.000	.000	.000
IOWA DUBUQUE	64	.000	.000	.000	.000	.000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.000	.000	.000	.000	.000
COVINGTON	64	.000	.000	.000	.000	.000
MARYLAND BALTIMORE	65	.000	.000	.000	.000	.000
MASSACHUSETTS BROCKTON	65	.000	.000	.000	.000	.000
LYNN	62	.000	.000	.000	.000	.000
SOMERVILLE	62	.000	.000	.000	.000	.000
SPRINGFIELD	64	.000	.000	.000	.000	.000
MICHIGAN KALAMAZOO	60	.000	.000	.000	.000	.000
MUSKEGON	63	.000	.000	.000	.000	.000
MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
NEBRASKA LINCOLN	62	.000	.000	.000	.000	.000
NEW JERSEY BAYONNE	65	.000	.000	.000	.000	.000
BRIDGETON	65	.000	.000	.000	.000	.000
NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
OHIO AKRON	65	.000	.000	.000	.000	.000
PENNSYLVANIA ALLENTOWN	65	.000	.000	.000	.000	.000
ALTOONA	65	.000	.000	.000	.000	.000
BETHLEHEM	65	.000	.000	.000	.000	.000
PUERTO RICO BAYAMON	65	.000	.000	.000	.000	.000
VIRGINIA PORTSMOUTH	65	.000	.000	.000	.000	.000
RICHMOND	65	.000	.000	.000	.000	.000

TABLE 38. COBALT, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )	Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )
		Collected	Above Detectable Quantity				Collected	Above Detectable Quantity	
CALIFORNIA SAN BERNARDINO	63	22	0		OHIO YOUNGSTOWN	62	25	0	
FLORIDA TAMPA	63	23	0		YOUNGSTOWN	63	26	0	
INDIANA HAMMOND	63	26	0		OREGON PORTLAND	63	20	0	
INDIANAPOLIS	64	26	0		PORTLAND	64	25	0	
KANSAS WICHITA	64	25	0		PENNSYLVANIA JOHNSTOWN	63	23	0	
MINNESOTA MINNEAPOLIS	64	26	0		TENNESSEE MEMPHIS	64	24	0	
NEW MEXICO ALBUQUERQUE	63	25	0		NASHVILLE	64	26	0	
NEW YORK NEW YORK	57	25	1	.006	TEXAS HOUSTON	64	24	0	
ROCHESTER	60	26	0		UTAH SALT LAKE CITY	64	24	0	

Table 39. COBALT, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar	2nd Quar	3rd Quar.	4th Quar	Yrly Avg
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARICOPA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
ARKANSAS MONTGOMERY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
CALIFORNIA HUMBOLDT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
COLORADO MONTEZUMA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
INDIANA PARKE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
IOWA DELAWARE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MAINE ACADIA NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARYLAND CALVERT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MISSISSIPPI JACKSON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MISSOURI SHANNON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
MONTANA GLACIER NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEBRASKA THOMAS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEVADA WHITE PINE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW HAMPSHIRE COOS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEW MEXICO RIO ARriba CO	65	0.0000	0.0000	0.0000	0.0000	0.0000

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar	2nd Quar	3rd Quar.	4th Quar	Yrly Avg
NEW YORK CAPE VINCENT	65	0.0000	0.0000	0.0000	0.0000	0.0000
NORTH CAROLINA CAPE HATTERAS	65	0.0000	0.0000	0.0000	0.0000	0.0000
OKLAHOMA CHEROKEE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
OREGON CURRY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
PENNSYLVANIA CLARION CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
RHODE ISLAND WASHINGTON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH CAROLINA RICHLAND CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0000	0.0000	0.0000	0.0000
TEXAS MATAGORA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
VERMONT ORANGE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
VIRGINIA SHENANDOAH PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
WISCONSIN DOOR CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 40. COPPER, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.03	.04	.03	.13	.06
GADSDEN	64	.02	.02	.02	.02	.02
ARIZONA PARADISE VALLEY	64	.06	.01	.02	.05	.04
PARADISE VALLEY	65	.03	.03	.02	.03	.03
ARKANSAS TEXARKANA	64	.07	.05	.06	.06	.06
CALIFORNIA BAKERSFIELD	64	.05	.02	.05	.06	.05
BURBANK	64	.05	.04	.14	.14	.09
MONTEREY	64	.02	.04	.02	.09	.04
SAN JOSE	63	.14	.05	.17	.14	.13
CONNECTICUT BRIDGEPORT	62	.12	.11	.09	.16	.12
HARTFORD	64	.05	.04	.03	.05	.04
NEW HAVEN	64	.04	.13	.25	.11	.13
GEORGIA ATLANTA	65	.04	.06	.02	.02	.04
IDAHO BOISE	65	.02	.02	.02	.06	.03
ILLINOIS MOLINE	64	.03	.05	.06	.04	.05
ROCK ISLAND	64	.02	.03	.06	.01	.03
INDIANA BEVERLY SHORES	65	.03	.04	.05	.05	.04
EVANSVILLE	64	.10	1.20	.82	.48	.65
FORT WAYNE	64	.01	.02	.01	.02	.02
TERRE HAUTE	63	.04	.08	.11	.06	.07
WEST LAFAYETTE	64	.03	.06	.08	.11	.07
IOWA DUBUQUE	64	.08	.04	.12	.16	.10

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.07	.16	.12	.13	.12
COVINGTON	64	.04	.05	.08	.06	.06
MARYLAND BALTIMORE	65	.08	.05	.05	.06	.06
MASSACHUSETTS BROCKTON	65	.01	.02	.02	.04	.02
LYNN	62	.05	.06	.04		
SOMERVILLE	62	.19	.11	.07	.08	.11
SPRINGFIELD	64	.13	.15	.00	.11	.10
MICHIGAN KALAMAZOO	60	.17	.12	.06	.13	.12
MUSKEGON	63	.01	.02	.03	.03	.02
MINNESOTA MOORHEAD	64	.01	.01	.01	.01	.01
NEBRASKA LINCOLN	62	.03	.04	.02	.02	.03
NEW JERSEY BAYONNE	65	.03	.02			
BRIDGETON	65	.11	.10	.12	.12	.11
NEW MEXICO ALBUQUERQUE	65	.23	.13	.12	.07	.14
OHIO AKRON	65	.02	.03	.04	.04	.03
PENNSYLVANIA ALLENTOWN	65	.11	.09			
ALTOONA	65	.16	.62	.15	.09	.26
BETHLEHEM	65	.04	.04	.06	.13	.07
PUERTO RICO BAYAMON	65	.01	.00	.00	.01	.01
VIRGINIA PORTSMOUTH	65	.08	.14	.14	.08	.11
RICHMOND	65	.07	.08	.05	.09	.07

Table 41. COPPER, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mea		
				10	20	30	40	50	60	70	80	90					
CALIFORNIA SAN BERNARDINO	63	22	.01	.01	.02	.03	.04	.05	.05	.06	.08	.10	.18	.06	.05	2.01	
FLORIDA TAMPA	63	23	.05	.07	.08	.09	.10	.11	.12	.13	.14	.22	.31	.13	.12	1.53	
INDIANA HAMMOND	63	26	.03	.04	.05	.06	.06	.07	.09	.10	.11	.13	.18	.08	.08	1.60	
INDIANAPOLIS	64	26	.07	.10	.11	.13	.14	.18	.26	.29	.42	.56	.81	.27	.21	1.97	
KANSAS WICHITA	64	25	.01	.02	.02	.03	.03	.04	.05	.08	.08	.09	.19	.05	.04	1.95	
MINNESOTA MINNEAPOLIS	64	26	.09	.10	.11	.12	.13	.14	.15	.16	.18	.20	.28	.15	.15	1.33	
NEW MEXICO ALBUQUERQUE	63	25	.02	.03	.04	.04	.05	.05	.07	.08	.11	.13	.16	.07	.06	1.73	
NEW YORK NEW YORK CITY	57	25	.03	.05	.08	.11	.12	.14	.18	.24	.25	.87	1.80	.28	.17	2.58	
ROCHESTER	60	26	.04	.05	.05	.06	.06	.07	.09	.10	.12	.13	.22	.09	.08	1.52	
OHIO YOUNGSTOWN	62 63 62 63	25 26 51	.01 .01 .01	.01 .02 .01	.01 .02 .01	.01 .03 .02	.02 .04 .02	.02 .05 .03	.02 .06 .04	.03 .06 .05	.05 .07 .06	.07 .10 .08	.16 .17 .17	.04 .06 .05	.03 .05 .04	2.02 1.94 2.09	
OREGON PORTLAND	63 64 63 64	20 25 45	.02 .01 .01	.04 .02 .02	.05 .03 .03	.06 .04 .04	.06 .05 .05	.08 .06 .07	.09 .06 .08	.12 .07 .08	.16 .08 .11	.19 .10 .18	.35 .22 .35	.11 .06 .08	.09 .05 .06	1.96 2.01 2.09	
PENNSYLVANIA JOHNSTOWN	63	23	.02	.02	.02	.02	.03	.03	.04	.05	.06	.08	.17	.05	.04	1.68	
TENNESSEE MEMPHIS	64	24	.02	.03	.04	.04	.05	.05	.06	.08	.13	.16	.22	.08	.06	1.84	
NASHVILLE	64	26	.04	.05	.05	.06	.07	.07	.08	.08	.10	.11	.14	.08	.08	1.38	
TEXAS HOUSTON	64	24	.03	.07	.18	.23	.42	.48	.61	.73	.98	1.30	1.40	.57	.40	2.71	
UTAH SALT LAKE CITY	64	24		.02	.06	.06	.07	.07	.08	.09	.09	.11	.15	.08	.07	1.98	

**Table 42. COPPER, NONURBAN QUARTERLY AND YEARLY AVERAGES**

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.035	0.020	0.016	0.024	0.023
MARICOPA CO	65	0.032	0.030	0.024	0.031	0.029
ARKANSAS MONTGOMERY CO	65	0.013	0.010	0.0057	0.016	0.011
CALIFORNIA HUMBOLDT CO.	65	0.014	0.015	0.023	0.014	0.016
COLORADO MONTEZUMA CO	65	0.0046	0.0133	0.0066	0.0086	0.0057
INDIANA PARKE CO	65	0.017	0.023	0.080	0.024	0.036
ICHA DELAWARE CO	65	0.014	0.20	0.048	0.023	0.071
MAINE ACADIA NATL PK	65	0.0064	0.0085	0.015	0.011	0.010
MARYLAND CALVERT CO	65	0.014	0.017	0.012	0.016	0.014
MISSISSIPPI JACKSON CO	65	0.0080	0.010	0.015	0.0098	0.010
MISSOURI SHANNON CO	65	0.0084	0.011	0.0091	0.0084	0.0092
MONTANA GLACIER NATL PK	65	0.91	0.00023	0.061	0.039	0.25
NEBRASKA THOMAS CO	65	0.010	0.013	0.013	0.0087	0.011
NEVADA WHITE PINE CO	65	0.022	0.013	0.0087	0.0039	0.011
NEW HAMPSHIRE COOS CO	65	0.017	0.033	0.020	0.018	0.022
NEW MEXICO RIO ARRIERA CO	65	0.21	0.049	0.036	0.063	0.089

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW YORK CAPE VINCENT	65	0.035	0.12	0.042	0.11	0.076
NORTH CAROLINA CAPE HATTERAS	65	0.010	0.0098	0.045	0.019	0.020
OKLAHOMA CHEROKEE CO	65	0.041	0.022	0.061	0.17	0.073
OREGON CURRY CO	65	0.11	0.065	0.27	0.12	0.14
PENNSYLVANIA CLARION CO	65	0.012	0.016	0.015	0.015	0.014
RHODE ISLAND WASHINGTON CO	65	0.017	0.023	0.019	0.043	0.025
SOUTH CAROLINA RICHLAND CO	65	0.025	0.0010	0.016	0.024	0.016
SOUTH DAKOTA BLACK HILLS FBS	65	0.0044	0.011	0.013	0.014	0.010
TEXAS MATAGORA CO	65	0.012	0.014	0.020	0.021	0.016
VERMONT ORANGE CO	65	0.010	0.0057	0.0085	0.014	0.0095
VIRGINIA SMITHSONIAN PK	65	0.026	0.055	0.055	0.037	0.043
WISCONSIN DOOR CO	65	0.011	0.030	0.012	0.012	0.016
WYOMING YELLOWSTONE PK	65	0.012	0.013	0.0092	0.0084	0.010

Table 43. IRON, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	1.2	2.2	.8	2.4	1.7	KENTUCKY ASHLAND	64	1.5	1.8	1.2	1.3	1.5
GADSDEN	64	.7	.8	1.5	1.4	1.1	COVINGTON	64	1.1	1.4	2.9	1.4	1.7
ARIZONA PARADISE VALLEY	64	.7	.9	.3	.7	.7	MARYLAND BALTIMORE	65	1.0	.5	.9	.6	.8
PARADISE VALLEY	65	.6	.4	.5	.2	.4	MASSACHUSETTS BROCKTON	65	.1	.4	.3	.6	.4
ARKANSAS TEXARKANA	64	.7	.5	1.1	.8	.8	LYNN	62	.4	1.3	.6		
CALIFORNIA BAKERSFIELD	64	1.7	2.3	2.6	2.0	2.2	SOMERVILLE	62	.9	1.9	.8	1.7	1.3
BURBANK	64	.8	.9	2.6	1.3	1.4	SPRINGFIELD	64	.5	.7	.7	.6	.6
MONTEREY	64	.2	.6	.5	1.0	.6	MICHIGAN KALAMAZOO	60	.6	1.9	1.3	2.0	1.5
SAN JOSE	63	2.0	.7	1.6	.9	1.3	MUSKEGON	63	.8	1.3	1.3	1.0	1.1
CONNECTICUT BRIDGEPORT	62	.5	1.0	1.1	.5	.8	MINNESOTA MOORHEAD	64	.3	.4	.6	.3	.6
HARTFORD	64	1.6	.5	.5	1.2	1.0	NEBRASKA LINCOLN	62	1.2	.9	.9	.5	.9
NEW HAVEN	64	.5	1.9	.6	.4	.9	NEW JERSEY BAYONNE	65	.5	1.7			
GEORGIA ATLANTA	65	1.5	1.5	1.0	.7	1.2	BRIDGETON	65	.5	.5	.4	.5	.5
IDAHO BOISE	65	.7	.6	.8	.8	.7	NEW MEXICO ALBUQUERQUE	65	1.0	.7	.6	.9	.8
ILLINOIS MOLINE	64	.7	1.9	1.5	1.3	1.4	OHIO AKRON	65	2.2	2.5	3.8	2.7	2.8
ROCK ISLAND	64	.8	2.8	2.0	.9	1.6	PENNSYLVANIA ALLENTOWN	65	1.5	.8		1.1	
INDIANA BEVERLY SHORES	65	.6	.9	.7	.8	.8	ALTOONA	65	2.1	.9	1.4	.7	1.3
EVANSVILLE	64	1.5	1.3	.6	.6	1.0	BETHLEHEM	65	.7	.7	.7	1.4	.9
FORT WAYNE	64	.1	.5	.2	.5	.3	PUERTO RICO BAYAMON	65	.7	1.4	.7	.5	.8
TERRE HAUTE	63	.8	.8	.7	.7	.8	VIRGINIA PORTSMOUTH	65	1.8	2.7	1.7	1.7	2.0
WEST LAFAYETTE	64	.7	1.8	.5	2.5	1.4	RICHMOND	65	1.1	2.6	1.1	.9	1.4
IOWA DUBUQUE	64	.6	.9	1.1	4.0	1.7							

Table 44. IRON, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22	.1	.2	.5	.7	.9	1.1	1.6	1.9	2.2	3.1	5.2	1.5	1.1	2.55
FLORIDA TAMPA	63	23	.5	.6	.7	.7	.8	.9	1.1	1.2	1.5	1.8	.9	.8	.8	2.02
INDIANA HAMMOND	63	26	.1	.5	.7	1.0	1.1	1.8	2.2	3.1	3.9	5.5	13.0	2.7	1.7	2.91
INDIANAPOLIS	64	25	.4	.5	.5	.6	.7	.9	1.1	1.4	1.5	1.9	3.1	1.2	1.0	1.77
KANSAS WICHITA	64	25	.1	.2	.3	.4	.5	.6	.7	.9	1.1	1.5	2.8	.8	.6	2.24
MINNESOTA MINNEAPOLIS	64	26	.2	.4	.5	.6	.8	.9	1.0	1.2	1.4	1.5	1.8	1.0	.9	1.68
NEW MEXICO ALBUQUERQUE	63	25	.2	.3	.4	.6	.6	.7	1.0	1.5	2.4	4.9	5.6	1.5	1.0	2.51
NEW YORK NEW YORK CITY	57	25	.5	.6	.9	1.2	1.3	1.8	2.2	3.9	4.6	5.2	6.2	2.5	1.9	2.16
ROCHESTER	60	26	.5	1.3	1.5	1.9	2.3	2.7	4.1	4.4	4.9	5.3	6.5	3.2	2.7	1.91
OHIO YOUNGSTOWN	62	25	.4	.7	.8	1.5	1.7	2.5	2.6	3.4	5.1	5.5	14.0	3.0	2.2	2.33
	63	26	.6	1.1	1.5	2.7	3.1	4.1	4.4	4.7	5.5	7.5	13.0	4.2	3.3	2.13
	62 63	51	.4	.8	1.1	1.6	2.5	3.0	4.1	4.6	5.2	7.0	14.0	3.7	2.7	2.28
OREGON PORTLAND	63	20	.1	.1	.2	.3	.4	.4	.5	.6	1.1	2.1	.5	.3	.2	2.78
	64	25	.1	.2	.5	.6	1.0	1.1	1.2	1.3	1.9	2.6	1.0	.6	.6	2.95
	63 64	45	.1	.2	.3	.4	.5	.6	1.1	1.2	1.7	2.6	.8	.5	.5	3.00
PENNSYLVANIA JOHNSTOWN	63	23	.6	.8	1.6	1.7	2.2	2.8	3.0	3.4	3.9	4.9	16.0	3.3	2.5	2.02
TENNESSEE MEMPHIS	64	24	.1	.4	.5	.6	.6	.7	1.1	1.2	1.5	4.1	.9	.7	.7	2.60
NASHVILLE	64	26	.2	.4	.5	.6	.8	1.0	1.1	1.2	1.6	1.6	2.5	1.0	.9	1.83
TEXAS HOUSTON	64	24	.2	.2	.2	.3	.4	.4	.5	.6	.7	.9	2.4	.6	.5	1.84
UTAH SALT LAKE CITY	64	24	.2	.3	.4	.5	.7	.8	.9	1.0	1.2	1.5	2.1	.9	.7	1.81

Table 45. IRON, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.14	0.16	0.19	0.27	0.19
MARICOPA CO	65	0.65	0.45	0.49	0.25	0.46
ARKANSAS MONTGOMERY CO	65	0.15	0.22	0.19	0.23	0.19
CALIFORNIA HUMBOLDT CO	65	0.16	0.096	0.23	0.12	0.15
COLORADO MONTEZUMA CO	65	0.21	0.14	0.23	0.08	0.16
INDIANA PARKE CO	65	0.47	0.42	0.45	0.22	0.39
IOWA DELAWARE CO	65	0.15	0.23	0.45	0.21	0.26
MAINE ACADIA NATL PK	65	0.16	0.21	0.23	0.14	0.18
MARYLAND CALVERT CO	65	0.23	0.15	0.19	0.15	0.18
MISSISSIPPI JACKSON CO	65	0.22	0.24	0.33	0.27	0.26
MISSOURI SHANNON CO	65	0.15	0.24	0.26	0.21	0.21
MONTANA GLACIER NATL PK	65	0.24	0.23	0.26	0.13	0.21
NEBRASKA THOMAS CO	65	0.24	0.27	0.24	0.11	0.21
NEVADA WHITE PINE CO	65	0.62	0.13	0.017	0.006	0.19

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW HAMPSHIRE COOS CO	65	0.060	0.18	0.11	0.14	0.12
NEW MEXICO RIO ARRIBA CO	65	0.26	0.56	0.32	0.27	0.35
NEW YORK CAPE VINCENT	65	0.15	0.27	0.16	0.51	0.27
NORTH CAROLINA CAPE HATTERAS	65	0.31	0.17	0.25	0.21	0.23
OKLAHOMA CHEROKEE CO	65	0.22	0.17	0.38	0.20	0.24
OREGON CURRY CO	65	0.21	0.12	0.41	0.10	0.21
PENNSYLVANIA CLARION CO	65	0.60	0.94	0.56	0.73	0.70
RHODE ISLAND WASHINGTON CO	65	0.21	0.070	0.42	0.55	0.31
SOUTH CAROLINA RICHLAND CO	65	0.50	0.20	0.11	0.22	0.25
SOUTH DAKOTA BLACK HILLS FR	65	0.038	0.11	0.10	0.27	0.13
TEXAS MATAGORA CO	65	0.26	0.17	0.14	0.19	0.19
VERMONT ORANGE CO	65	0.33	0.15	0.41	0.44	0.33
VIRGINIA SHENANDOAH PK	65	0.025	0.30	0.25	0.34	0.22
WISCONSIN DOOR CO	65	0.13	0.26	0.18	0.20	0.19
WYOMING YELLOWSTONE PK	65	0.15	0.11	0.045	0.033	0.08

Table 46. LEAD, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.5	.4	.2	.9	.5	KENTUCKY ASHLAND	64	.8	.7	.7	1.8	1.0
GADSDEN	64	.4	.5	.4	.6	.5	COVINGTON	64	.5	.5	1.2	1.1	.8
ARIZONA PARADISE VALLEY	64	.2	.0	.1	.3	.2	MARYLAND BALTIMORE	65	.8	.8	.8	.9	.8
PARADISE VALLEY	65	.0	.1	.1	.1	.1	MASSACHUSETTS BROCKTON	65	.1	.2	.3	.8	.4
ARKANSAS TEXARKANA	64	.2	.2	.3	.2	.2	LYNN	62	.5	.9	.7		
CALIFORNIA BAKERSFIELD	64	1.0	.5	1.1	.8	.9	SOMERVILLE	62	.9	.6	.4	.6	.6
BURBANK	64	1.5	.7	1.9	2.3	1.6	SPRINGFIELD	64	.6	.2	.2	.4	.4
MONTEREY	64	.1	.2	.3	.9	.4	MICHIGAN KALAMAZOO	60	.2	.3	.2	.2	.2
SAN JOSE	63	.6	.2	.3	.4	.4	MUSKEGON	63	.4	.3	.5	.7	.5
CONNECTICUT BRIDGEPORT	62	.4	.2	.2	.5	.3	MINNESOTA MOORHEAD	64	.1	.0	.1	.1	.1
HARTFORD	64	.6	.3	.2	1.1	.6	NEBRASKA LINCOLN	62	.3	.3	.3	.2	.3
NEW HAVEN	64	.4	.8	.6	.9	.7	NEW JERSEY BAYONNE	65	.5	.8			
GEORGIA ATLANTA	65	.5	.5	.6	.7	.6	BRIDGETON	65	.2	.2	.3	.3	.3
IDAHO BOISE	65	.3	.2	.4	.4	.3	NEW MEXICO ALBUQUERQUE	65	.3	.1	.1	.5	.3
ILLINOIS MOLINE	64	.2	.2	.6	.3	.3	OHIO AKRON	65	.5	.6	.6	.4	.5
ROCK ISLAND	64	.3	.3	.6	.4	.4	PENNSYLVANIA ALLENTOWN	65	.2	.3		.5	
INDIANA BEVERLY SHORES	65	.1	.2	.2	.2	.2	ALTOONA	65	.7	.3	.5	.1	.4
EVANSVILLE	64	.6	.3	.4	.3	.4	BETHLEHEM	65	.3	.5	.6	1.0	.6
FORT WAYNE	64	.1	.1	.1	.1	.1	PUERTO RICO BAYAMON	65	.2	.1	.1	.1	.1
TERRE HAUTE	63	.2	.3	.3	.2	.3	VIRGINIA PORTSMOUTH	65	.8	.4	.4	.6	.6
WEST LAFAYETTE	64	.4	.4	.3	1.0	.5	RICHMOND	65	.6	.7	.7	1.5	.9
IOWA DUBUQUE	64	.2	.1	.2	.4	.2							

Table 47. LEAD, URBAN FREQUENCY DISTRIBUTION

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22	.1	.1	.1	.2	.2	.2	.3	.3	.9	1.2	1.4	.5	.3	2.34
FLORIDA TAMPA	63	23	.1	.1	.3	.3	.4	.5	.6	.7	.8	1.6	3.3	.7	.5	2.25
INDIANA HAMMOND	63	26				.1	.1	.1	.1	.2	.3	.4	1.2	.2	.2	2.15
INDIANAPOLIS	64	26	.6	1.1	1.2	1.6	1.8	2.0	2.2	2.4	3.5	3.8	6.2	2.3	2.0	1.74
KANSAS WICHITA	64	25	.1			.1	.1	.1	.2	.3	.3	.5	.6	.2	.2	1.91
MINNESOTA MINNEAPOLIS	64	26	.1	.1	.1	.1	.2	.2	.3	.4	.7	1.1	6.0	.6	.3	2.70
NEW MEXICO ALBUQUERQUE	63	25			.1	.1	.1	.2	.2	.3	.4	1.1	1.8	.4	.2	2.54
NEW YORK NEW YORK CITY	57	25	.3	.4	.5	.7	1.0	1.1	1.3	1.7	1.8	2.9	3.2	1.3	1.1	1.99
ROCHESTER	60	25	.2	.3	.3	.4	.4	.5	.6	.6	.8	1.2	1.5	.6	.5	1.65
OHIO YOUNGSTOWN	62 63 62 63	25 26 51	.1	.1	.2	.3	.3	.3	.4	.4	.5	.6	.7	.2	.2	2.04
OREGON PORTLAND	63 64 63 64	20 25 45			.2	.3	.3	.4	.5	.6	.7	1.2	2.3	.6	.4	1.86
PENNSYLVANIA JOHNSTOWN	63	23				.1	.1	.1	.1	.2	.2	.3	1.2	.2	.1	2.31
TENNESSEE MEMPHIS	64	24	.1		.1	.1	.1	.2	.2	.3	.4	.6	2.3	.6	.4	2.37
NASHVILLE	64	26	.1	.2	.2	.3	.4	.4	.5	.6	1.0	1.1	2.3	.6	.5	2.02
TEXAS HOUSTON	64	24	.2	.4	.7	.9	1.2	1.7	1.9	2.2	2.9	4.0	4.3	1.9	1.5	2.20
UTAH SALT LAKE CITY	64	24	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	1.4	.5	.4	1.88

Table 48. LEAD, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0094	0.52	0.022	0.057	0.15	NEW YORK CAPE VINCENT	65	0.019	0.035	0.026	0.090	0.042
MARICOPA CO	65	0.042	0.074	0.071	0.061	0.062	NORTH CAROLINA CAPE HATTERAS	65	0.037	0.032	0.045	0.016	0.032
ARKANSAS MONTGOMERY CO	65	0.022	0.014	0.016	0.016	0.017	OKLAHOMA CHEROKEE CO	65	0.015	0.0084	0.020	0.026	0.017
CALIFORNIA HUMBOLDT CO	65	0.011	0.000	0.015	0.014	0.010	OREGON CURRY CO	65	0.0078	0.0063	0.011	0.000	0.0062
COLORADO MONTEZUMA CO	65	0.000	0.000	0.0082	0.000	0.0020	PENNSYLVANIA CLARION CO	65	0.099	0.057	0.025	0.000	0.045
INDIANA PARKE CO	65	0.052	0.054	0.057	0.034	0.049	RHODE ISLAND WASHINGTON CO	65	0.035	0.17	0.039	0.17	0.10
IOWA DELAWARE CO	65	0.019	0.020	0.058	0.016	0.028	SOUTH CAROLINA RICHLAND CO	65	0.10	0.068	0.018	0.063	0.062
MAINE ACADIA NATL PK	65	0.0059	0.0047	0.048	0.015	0.018	SOUTH DAKOTA BLACK HILLS FRS	65	0.000	0.000	0.000	0.0087	0.0021
MARYLAND CALVERT CO	65	0.043	0.027	0.052	0.033	0.038	TEXAS MATAGORA CO	65	0.018	0.0010	0.014	0.046	0.019
MISSISSIPPI JACKSON CO	65	0.018	0.018	0.049	0.046	0.032	VERMONT ORANGE CO	65	0.051	0.0092	0.035	0.058	0.038
MISSOURI SHANNON CO	65	0.0086	0.017	0.019	0.014	0.013	VIRGINIA SHENANDOAH PK	65	0.032	0.055	0.047	0.069	0.050
MONTANA GLACIER NATL PK	65	0.0062	0.0085	0.0089	0.000	0.0059	WISCONSIN DOOR CO	65	0.010	0.059	0.028	0.013	0.027
NEBRASKA THOMAS CO	65	0.0066	0.0087	0.0059	0.0085	0.0074	WYOMING YELLOWSTONE PK	65	0.000	0.000	0.000	0.000	0.000
NEVADA WHITE PINE CO	65	0.000	0.000	0.0058	0.000	0.0014							
NEW HAMPSHIRE COOS CO	65	0.0080	0.014	0.0091	0.014	0.011							
NEW MEXICO RIO ARRIBA CO	65	0.0066	0.0064	0.0067	0.0095	0.0073							

Table 49. MANGANESE, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.11	.11	.08	.31	.15	KENTUCKY ASHLAND	64	.19	.18	.09	.12	.15
GADSDEN	64	.07	.07	.09	.08	.08	COVINGTON	64	.18	.15	.29	.17	.20
ARIZONA PARADISE VALLEY	64	.04	.04	.02	.03	.03	MARYLAND BALTIMORE	65	.13	.03	.07	.07	.08
PARADISE VALLEY	65	.02	.02	.02	.01	.02	MASSACHUSETTS BROCKTON	65	.00	.01	.00	.04	.01
ARKANSAS TEXARKANA	64	.02	.01	.03	.02	.02	LYNN	62	.00	.02	.02		
CALIFORNIA BAKERSFIELD	64	.04	.06	.08	.05	.06	SOMERVILLE	62	.04	.03	.02	.04	.03
BURBANK	64	.02	.03	.06	.03	.04	SPRINGFIELD	64	.05	.03	.02	.03	.03
MONTEREY	64	.00	.00	.01	.02	.01	MICHIGAN KALAMAZOO	60	.04	.05	.05	.05	.05
SAN JOSE	63	.03	.02	.03	.02	.03	MUSKEGON	63	.16	.40	.35	.47	.35
CONNECTICUT BRIDGEPORT	62	.06	.03	.02	.05	.04	MINNESOTA MOORHEAD	64	.01	.02	.03	.02	.02
HARTFORD	64	.05	.02	.01	.05	.03	NEBRASKA LINCOLN	62	.04	.03	.02	.02	.03
NEW HAVEN	64	.03	.05	.02	.03	.03	NEW JERSEY BAYONNE	65	.02	.07			
GEORGIA ATLANTA	65	.10	.05	.04	.05	.06	BRIDGETON	65	.03	.02	.02	.04	.03
IDAHO BOISE	65	.01	.02	.02	.03	.02	NEW MEXICO ALBUQUERQUE	65	.03	.02	.02	.03	.03
ILLINOIS MOLINE	64	.07	.07	.09	.15	.10	OHIO AKRON	65	.12	.10	.14	.16	.13
ROCK ISLAND	64	.08	.11	.10	.06	.09	PENNSYLVANIA ALLENTOWN	65	.16	.06		.10	
INDIANA BEVERLY SHORES	65	.03	.06	.03	.03	.04	ALTOONA	65	.12	.03	.04	.06	.06
EVANSVILLE	64	.05	.05	.03	.02	.04	BETHLEHEM	65	.13	.05	.04	.25	.12
FORT WAYNE	64	.01	.03	.01	.02	.02	PUERTO RICO BAYAMON	65	.02	.03	.01	.01	.02
TERRE HAUTE	63	.03	.03	.03	.03	.03	VIRGINIA PORTSMOUTH	65	.07	.05	.04	.05	.05
WEST LAFAYETTE	64	.02	.07	.01	.07	.04	RICHMOND	65	.07	.05	.03	.05	.05
IOWA DUBUQUE	64	.03	.04	.04	.09	.05							

Table 50. MANGANESE, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
CALIFORNIA SAN BERNARDINO	63	22		.01	.01	.02	.02	.03	.03	.04	.06	.12	.03	.02	2.39		
FLORIDA TAMPA	63	23		.01	.01	.01	.02	.03	.03	.04	.06	.11	.03	.02	2.32		
INDIANA HAMMOND	63	26	.02	.03	.06	.07	.09	.10	.13	.19	.21	.46	.12	.08	2.79		
INDIANAPOLIS	64	26	.02	.02	.02	.03	.03	.04	.05	.06	.09	.10	.29	.06	.05	1.92	
KANSAS WICHITA	64	25		.01	.01	.01	.02	.02	.02	.03	.04	.05	.05	.02	.02	2.02	
MINNESOTA MINNEAPOLIS	64	26		.01	.02	.02	.03	.03	.04	.04	.05	.06	.23	.05	.03	2.30	
NEW MEXICO ALBUQUERQUE	63	25		.01	.01	.02	.02	.02	.03	.04	.05	.11	.18	.04	.03	2.43	
NEW YORK NEW YORK CITY	57	25		.01	.02	.02	.03	.04	.04	.05	.06	.08	.11	.04	.04	2.03	
ROCHESTER	60	26	.03	.04	.04	.05	.06	.06	.10	.11	.14	.18	.55	.12	.09	2.10	
OHIO YOUNGSTOWN	62	25	.03	.03	.04	.06	.08	.10	.12	.13	.14	.18	.45	.12	.09	2.02	
	63	26	.03	.05	.08	.12	.13	.19	.22	.23	.31	.38	.54	.20	.16	2.16	
	62 63	51	.03	.03	.05	.08	.10	.12	.15	.19	.23	.33	.54	.16	.12	2.18	
OREGON PORTLAND	63	20		.01	.01	.02	.04	.07	.08	.15	.18	.24	.07	.03	4.16		
	64	25		.01	.02	.03	.04	.05	.06	.07	.26	.71	1.30	.19	.06	4.48	
	63 64	45		.01	.01	.03	.03	.04	.06	.08	.17	.28	1.30	.14	.05	4.39	
PENNSYLVANIA JOHNSTOWN	63	23	.20	.28	.43	.52	.82	.96	1.21	1.51	1.76	2.38	6.90	1.44	.95	2.48	
TENNESSEE MEMPHIS	64	24		.01	.02	.02	.03	.04	.05	.08	.09	.18	.21	.06	.05	2.43	
NASHVILLE	64	26		.01	.01	.02	.03	.04	.05	.05	.06	.07	.12	.04	.03	2.30	
TEXAS HOUSTON	64	24			.01	.01	.02	.03	.04	.05	.06	.08	.25	.04	.03	2.76	
UTAH SALT LAKE CITY	64	24				.01	.01	.01	.02	.02	.02	.03	.04	.05	.02	.02	2.13

Table 51. MANGANESE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0044	0.0067	0.0071	0.013	0.0078
MARICOPA CO	65	0.018	0.019	0.018	0.011	0.016
ARKANSAS MONTGOMERY CO	65	0.0060	0.0063	0.0057	0.0080	0.0065
CALIFORNIA HUMBOLDT CO	65	0.0036	0.0028	0.0062	0.0033	0.0039
COLORADO MENTEZUMA CO	65	0.0042	0.0045	0.0039	0.0000	0.0031
INDIANA PARKE CO	65	0.022	0.024	0.015	0.013	0.018
IDAHO DELAWARE CO	65	0.0089	0.011	0.018	0.011	0.012
MAINE ACADIA NATL PK	65	0.0037	0.0079	0.010	0.0080	0.0074
MARYLAND CALVERT CO	65	0.018	0.010	0.0099	0.014	0.012
MISSISSIPPI JACKSON CO	65	0.012	0.0083	0.0085	0.015	0.010
MISSOURI SHANNON CO	65	0.010	0.017	0.013	0.014	0.013
MONTANA GLACIER NATL PK	65	0.0038	0.0061	0.0075	0.0036	0.0052
NEBRASKA THOMAS CO	65	0.0042	0.0066	0.0069	0.0031	0.0052
NEVADA WHITE PINE CO	65	0.016	0.0030	0.0023	0.0000	0.0053
NEW HAMPSHIRE COOS CO	65	0.0030	0.0068	0.0039	0.010	0.0059
NEW MEXICO RIO ARriba CO	65	0.0040	0.012	0.0041	0.0000	0.0050

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW YORK CAPE VINCENT	65	0.015	0.035	0.016	0.050	0.029
NORTH CAROLINA CAPE HATTERAS	65	0.014	0.0061	0.011	0.0077	0.0097
OKLAHOMA CHEROKEE CO	65	0.0093	0.010	0.020	0.0080	0.011
OREGON CURRY CO	65	0.0042	0.0017	0.0038	0.0000	0.0024
PENNSYLVANIA CLARION CO	65	0.037	0.044	0.027	0.080	0.047
RHODE ISLAND WASHINGTON CO	65	0.013	0.025	0.0099	0.034	0.020
SOUTH CAROLINA RICHLAND CO	65	0.015	0.0087	0.0032	0.014	0.010
SOUTH DAKOTA BLACK HILLS FPE	65	0.0000	0.0027	0.0029	0.0076	0.0033
TEXAS PATAGORA CO	65	0.010	0.0032	0.0051	0.0066	0.0062
VERMONT ORANGE CO	65	0.014	0.0064	0.016	0.022	0.014
VIRGINIA SHENANDOAH PK	65	0.017	0.021	0.016	0.020	0.018
WISCONSIN DOOR CO	65	0.0046	0.0090	0.0044	0.0094	0.0068
WYOMING YELLOWSTONE PK	65	0.0027	0.0029	0.0021	0.0000	0.0017

Table 52. MOLYBDENUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.00	.00	.00	.00	.00
GADSDEN	64	.00	.00	.00	.00	.00
ARIZONA PARADISE VALLEY	64	.00	.00	.00	.00	.00
PARADISE VALLEY	65	.00	.00	.00	.00	.00
ARKANSAS TEXARKANA	64	.00	.00	.00	.00	.00
CALIFORNIA BAKERSFIELD	64	.00	.00	.00	.00	.00
BURBANK	64	.00	.00	.00	.00	.00
MONTEREY	64	.00	.00	.00	.00	.00
SAN JOSE	63	.00	.00	.00	.00	.00
CONNECTICUT BRIDGEPORT	62	.00	.00	.00	.00	.00
HARTFORD	64	.00	.00	.00	.00	.00
NEW HAVEN	64	.00	.00	.00	.00	.00
GEORGIA ATLANTA	65	.00	.00	.00	.00	.00
IDAHO BOISE	65	.00	.00	.00	.00	.00
ILLINOIS MOLINE	64	.00	.00	.00	.00	.00
ROCK ISLAND	64	.00	.00	.00	.00	.00
INDIANA BEVERLY SHORES	65	.00	.00	.00	.00	.00
EVANSVILLE	64	.00	.00	.00	.00	.00
FORT WAYNE	64	.00	.00	.00	.00	.00
TERRE HAUTE	63	.00	.00	.00	.00	.00
WEST LAFAYETTE	64	.00	.00	.00	.00	.00
IOWA DUBUQUE	64	.00	.00	.00	.00	.00

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
KENTUCKY ASHLAND	64	.00	.01	.00	.00	.00
COVINGTON	64	.00	.00	.00	.00	.00
MARYLAND BALTIMORE	65	.01	.00	.00	.00	.00
MASSACHUSETTS BROCKTON	65	.00	.00	.00	.00	.00
LYNN	62	.00	.00	.00	.00	.00
SOMERVILLE	62	.00	.00	.00	.00	.00
SPRINGFIELD	64	.00	.00	.00	.00	.00
MICHIGAN KALAMAZOO	60	.00	.01	.00	.00	.00
MUSKEGON	63	.00	.00	.00	.00	.00
MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00
NEBRASKA LINCOLN	62	.00	.00	.00	.00	.00
NEW JERSEY BAYONNE	65	.00	.00	.00	.00	.00
BRIDGETON	65	.00	.00	.00	.00	.00
NEW MEXICO ALBUQUERQUE	65	.00	.00	.00	.00	.00
OHIO AKRON	65	.00	.00	.01	.01	.01
PENNSYLVANIA ALLENTOWN	65	.01	.00	.00	.00	.00
ALTOONA	65	.01	.00	.00	.00	.00
BETHLEHEM	65	.01	.00	.00	.01	.01
PUERTO RICO BAYAMON	65	.00	.00	.00	.00	.00
VIRGINIA PORTSMOUTH	65	.00	.00	.00	.00	.00
RICHMOND	65	.00	.00	.00	.00	.00

Table 53. MOLYBDENUM, MAXIMUM AND NUMBER OF DETECTABLE URBAN CONCENTRATIONS

Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )	Station Location	Years	Number of Samples		Maximum (mg/m <sup>3</sup> )
		Collected	Above Detectable Quantity				Collected	Above Detectable Quantity	
CALIFORNIA SAN BERNARDINO	63	22	2	.01	OHIO YOUNGSTOWN	62	25	14	.02
FLORIDA TAMPA	63	23	1	.01	OREGON PORTLAND	63	26	17	.02
INDIANA HAMMOND	63	26	8	.03	PORTLAND	64	25	3	.02
INDIANAPOLIS	64	26	5	.01	PENNSYLVANIA JOHNSTOWN	63	24	16	.02
KANSAS WICHITA	64	25	0		TENNESSEE MEMPHIS	64	24	0	
MINNESOTA MINNEAPOLIS	64	26	0		NASHVILLE	64	26	1	.01
NEW MEXICO ALBUQUERQUE	63	25	0		TEXAS HOUSTON	64	24	2	.01
NEW YORK NEW YORK	57	25	11	.01	UTAH SALT LAKE CITY	64	24	0	
ROCHESTER	60	26	8	.01					

Table 54. MOLYBDENUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.000	0.000	0.000	0.0010	0.0003	NEW HAMPSHIRE COOS CO	65	0.000	0.000	0.000	0.000	0.000
MARICOPA CO	65	0.0017	0.000	0.0005	0.0008	0.0007	NEW MEXICO RIO GRANDE CO	65	0.0004	0.0005	0.0007	0.0008	0.0006
ARKANSAS MONTGOMERY CO	65	0.0008	0.0005	0.000	0.000	0.0003	NEA YORK CAPE VINCENT	65	0.0005	0.0007	0.000	0.0026	0.0009
CALIFORNIA HUMBOLDT CO	65	0.000	0.000	0.000	0.000	0.000	NORTH CAROLINA CAPE HATTERAS	65	0.0007	0.000	0.0004	0.0005	0.0004
COLORADO MONTEZUMA CO	65	0.000	0.000	0.0004	0.000	0.0001	OKLAHOMA CHEROKEE CO	65	0.0004	0.0004	0.0007	0.000	0.0004
INDIANA PARKE CC	65	0.0020	0.0010	0.0013	0.0005	0.0012	OREGON CURRY CC	65	0.000	0.000	0.000	0.000	0.000
IOWA DELAWARE CO	65	0.000	0.000	0.0006	0.000	0.0002	PENNSYLVANIA CLARION CO	65	0.0037	0.0020	0.0020	0.0052	0.0032
MAINE ACADIA NATL PK	65	0.0004	0.0005	0.000	0.000	0.0002	RHODE ISLAND WASHINGTON CO	65	0.0011	0.0013	0.0004	0.0034	0.0016
MARYLAND CALVERT CO	65	0.0004	0.0004	0.0005	0.0004	0.0004	SOUTH CAROLINA RICHLAND CO	65	0.0012	0.000	0.000	0.000	0.0003
MISSISSIPPI JACKSON CO	65	0.0005	0.0007	0.0004	0.0006	0.0005	SOUTH DAKOTA BLACK HILLS FRS	65	0.000	0.000	0.000	0.0004	0.0001
MISSOURI SHANNON CO	65	0.0001	0.0001	0.0005	0.000	0.0002	TEXAS MATAGORDA CO	65	0.0012	0.0004	0.0007	0.0008	0.0008
MONTANA GLACIER NATL PK	65	0.000	0.000	0.000	0.000	0.000	VERMONT ORANGE CO	65	0.0007	0.000	0.000	0.0014	0.0005
NEBRASKA THOMAS CO	65	0.000	0.000	0.000	0.000	0.000	VIRGINIA SHENANDOAH PK	65	0.0016	0.0013	0.000	0.0010	0.0010
NEVADA WHITE PINE CO	65	0.000	0.000	0.000	0.000	0.000	WISCONSIN DOOR CO	65	0.000	0.0004	0.0005	0.0007	0.0004
							WYOMING YELLOWSTONE PK	65	0.0005	0.000	0.000	0.0014	0.0005

Table 55. NICKEL, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.006	.000	.000	.011	.004	KENTUCKY ASHLAND	64	.016	.038	.007	.025	.022
GADSDEN	64	.000	.000	.007	.007	.004	COVINGTON	64	.007	.007	.012	.007	.008
ARIZONA PARADISE VALLEY	64	.000	.007	.000	.000	.002	MARYLAND BALTIMORE	65	.045	.020	.030	.040	.034
PARADISE VALLEY	65	.003	.002	.002	.001	.002	MASSACHUSETTS BROCKTON	65	.011	.014	.015	.024	.016
ARKANSAS TEXARKANA	64	.005	.000	.000	.000	.001	LYNN	62	.047	.048	.024		
CALIFORNIA BAKERSFIELD	64	.031	.017	.031	.045	.031	SOMERVILLE	62	.063	.046	.032	.068	.052
BURBANK	64	.026	.010	.033	.053	.031	SPRINGFIELD	64	.024	.016	.013	.027	.020
MONTEREY	64	.000	.008	.007	.019	.009	MICHIGAN KALAMAZOO	60	.008	.014	.005	.018	.011
SAN JOSE	63	.019	.006	.011	.013	.012	MUSKEGON	63	.011	.011	.011	.008	.010
CONNECTICUT BRIDGEPORT	62	.042	.022	.019	.038	.030	MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
HARTFORD	64	.053	.019	.015	.049	.034	NEBRASKA LINCOLN	62	.008	.005	.008	.000	.005
NEW HAVEN	64	.038	.044	.021	.043	.037	NEW JERSEY BAYONNE	65	.038	.062			
GEORGIA ATLANTA	65	.013	.007	.006	.000	.007	BRIDGETON	65	.013	.009	.013	.009	.011
IDAHO BOISE	65	.000	.000	.000	.000	.000	NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.005	.008	.007	.007	.007	OHIO AKRON	65	.014	.013	.023	.019	.017
ROCK ISLAND	64	.007	.017	.017	.007	.012	PENNSYLVANIA ALLENTOWN	65	.017	.006		.018	
INDIANA BEVERLY SHORES	65	.005	.000	.010	.000	.004	ALTOONA	65	.011	.000	.008	.000	.005
EVANSVILLE	64	.007	.000	.000	.000	.002	BETHLEHEM	65	.019	.010	.012	.033	.019
FORT WAYNE	64	.000	.000	.000	.014	.004	PUERTO RICO BAYAMON	65	.024	.033	.012	.013	.021
TERRE HAUTE	63	.009	.000	.000	.007	.004	VIRGINIA PORTSMOUTH	65	.022	.021	.017	.014	.019
WEST LAFAYETTE	64	.008	.000	.005	.022	.011	RICHMOND	65	.023	.025	.010	.029	.022
IOWA DUBUQUE	64	.000	.000	.000	.010	.003							

Table 56. NICKEL, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter													Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean		
				10	20	30	40	50	60	70	80	90					
CALIFORNIA SAN BERNARDINO	63	22	.007	.009	.012	.017	.021	.026	.027	.030	.039	.048	.120	.030	.024	1.93	
FLORIDA TAMPA	63	23	.006	.006	.008	.008	.009	.013	.014	.015	.020	.023	.032	.014	.013	1.61	
INDIANA HAMMOND	63	26	.001	.009	.012	.013	.016	.018	.020	.025	.028	.062	.018	.011	4.15		
INDIANAPOLIS	64	26	.005	.007	.008	.008	.009	.014	.016	.020	.022	.053	.014	.010	2.79		
KANSAS WICHITA	64	25			.001	.001	.001	.001	.006	.007	.010	.012	.003	.001	4.04		
MINNESOTA MINNEAPOLIS	64	26				.001	.001	.001	.007	.008	.010	.013	.003	.001	4.20		
NEW MEXICO ALBUQUERQUE	63	25				.001	.001	.001	.001	.001	.010	.013	.002	.001	3.27		
NEW YORK NEW YORK CITY	57	25	.026	.028	.042	.053	.063	.078	.095	.174	.190	.288	.380	.118	.088	2.20	
ROCHESTER	60	26	.008	.012	.013	.016	.020	.023	.028	.032	.053	.063	.360	.052	.029	2.58	
OHIO YOUNGSTOWN	62	25	.001	.005	.007	.010	.011	.013	.015	.016	.024	.049	.012	.008	3.73		
	63	26	.006	.007	.011	.012	.013	.014	.015	.021	.023	.029	.014	.011	2.69		
	62 63	51	.001	.006	.009	.011	.012	.014	.015	.019	.023	.049	.013	.009	3.20		
OREGON PORTLAND	63	20	.009	.018	.024	.029	.031	.033	.036	.042	.055	.068	.031	.024	2.85		
	64	25	.014	.024	.032	.036	.039	.041	.059	.072	.105	.120	.048	.035	2.97		
	63 64	45	.010	.022	.028	.031	.035	.038	.042	.058	.083	.120	.041	.030	2.93		
PENNSYLVANIA JOHNSTOWN	63	23	.005	.007	.009	.011	.012	.014	.018	.021	.032	.052	.016	.012	2.54		
TENNESSEE MEMPHIS	64	24				.001	.001	.001	.001	.001	.007	.021	.002	.001	3.24		
NASHVILLE	64	26				.001	.001	.001	.007	.007	.008	.009	.013	.004	.002	4.31	
TEXAS HOUSTON	64	24				.001	.001	.001	.006	.008	.009	.016	.028	.006	.002	4.94	
UTAH SALT LAKE CITY	64	24				.001	.001	.001	.005	.009	.010	.020	.004	.001	4.29		

Table 57. NICKEL, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quer.	2nd Quer.	3rd Quer.	4th Quer.	Yrly. Avg.			1st Quer.	2nd Quer.	3rd Quer.	4th Quer.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0012	0.0011	0.0006	NEW HAMPSHIRE COOS CO	65	0.0010	0.0016	0.0031	0.0027	0.0021
MARICOPA CO	65	0.0027	0.0024	0.0023	0.0012	0.0022	NEW MEXICO RIO ARriba CO	65	0.0019	0.0030	0.0023	0.0022	0.0024
ARKANSAS MONTGOMERY CO	65	0.0015	0.0019	0.0000	0.0014	0.0012	NEW YORK CAPE VINCENT	65	0.0025	0.0030	0.0016	0.0059	0.0033
CALIFORNIA HUMBOLDT CO	65	0.0022	0.0010	0.0021	0.0000	0.0013	NORTH CAROLINA CAPE HATTERAS	65	0.0033	0.0000	0.0018	0.0053	0.0026
COLORADO MONTEZUMA CO	65	0.0013	0.0012	0.0014	0.0010	0.0012	OKLAHOMA CHEROKEE CO	65	0.0013	0.0012	0.0019	0.0010	0.0013
INDIANA PARKE CO	65	0.0033	0.0042	0.0030	0.0015	0.0030	OREGON CURRY CO	65	0.0028	0.0010	0.0020	0.0011	0.0017
ICWA DELAWARE CO	65	0.0014	0.0014	0.0019	0.0013	0.0015	PENNSYLVANIA CLARION CO	65	0.0044	0.0044	0.0027	0.0040	0.0039
MAINE ACADIA NATL PK	65	0.0020	0.017	0.014	0.013	0.011	RHODE ISLAND WASHINGTON CO	65	0.0048	0.011	0.0042	0.013	0.0083
MARYLAND CALVERT CO	65	0.0034	0.0022	0.0032	0.0039	0.0032	SOUTH CAROLINA RICHLAND CO	65	0.0026	0.0010	0.0000	0.0018	0.0013
MISSISSIPPI JACKSON CO	65	0.012	0.014	0.013	0.012	0.012	SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0019	0.0000	0.0010	0.0007
MISSOURI SHANNON CO	65	0.0009	0.0020	0.0026	0.0013	0.0017	TEXAS MATAGORA CO	65	0.0031	0.0011	0.0016	0.0013	0.0018
MONTANA GLACIER NATL PK	65	0.0018	0.0097	0.0016	0.0000	0.0033	VERMONT ORANGE CO	65	0.0076	0.0000	0.0031	0.0072	0.0045
NEBRASKA THOMAS CO	65	0.0015	0.0017	0.0013	0.0000	0.0011	VIRGINIA SHENANDOAH PK	63	0.0026	0.0028	0.0018	0.0024	0.0024
NEVADA WHITE PINE CO	65	0.0020	0.0013	0.0000	0.0000	0.0008	WISCONSIN DOOR CO	65	0.0011	0.0021	0.0018	0.0017	0.0017
							WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 58. TIN, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter							
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			
ALABAMA BIRMINGHAM	65	.01	.01	.00	.02	.01			
GADSDEN	64	.00	.00	.00	.00	.00			
ARIZONA PARADISE VALLEY	64	.00	.00	.00	.00	.00			
PARADISE VALLEY	65	.00	.00	.00	.00	.00			
ARKANSAS TEXARKANA	64	.00	.00	.00	.00	.00			
CALIFORNIA BAKERSFIELD	64	.00	.00	.00	.00	.00			
BURBANK	64	.00	.00	.00	.00	.00			
MONTEREY	64	.00	.00	.00	.00	.00			
SAN JOSE	63	.00	.00	.00	.00	.00			
CONNECTICUT BRIDGEPORT	62	.00	.00	.01	.00	.00			
HARTFORD	64	.01	.00	.00	.00	.00			
NEW HAVEN	64	.00	.01	.00	.01	.01			
GEORGIA ATLANTA	65	.02	.01	.01	.02	.02			
IDAHO BOISE	65	.00	.00	.00	.00	.00			
ILLINOIS MOLINE	64	.00	.00	.00	.00	.00			
ROCK ISLAND	64	.00	.00	.00	.00	.00			
INDIANA BEVERLY SHORES	65	.00	.00	.00	.00	.00			
EVANSVILLE	64	.00	.00	.00	.00	.00			
FORT WAYNE	64	.00	.00	.00	.00	.00			
TERRE HAUTE	63	.00	.00	.00	.00	.00			
WEST LAFAYETTE	64	.00	.00	.00	.01	.00			
IAWA DUBUQUE	64	.00	.00	.00	.00	.00			
KENTUCKY ASHLAND	64	.00	.00	.00	.00	.00			
COVINGTON	64	.00	.00	.01	.01	.01			
MARYLAND BALTIMORE	65	.01	.00	.00	.01	.01			
MASSACHUSETTS BROCKTON	65	.00	.00	.00	.01	.00			
LYNN	62	.00	.00	.00	.00	.00			
SOMERVILLE	62	.00	.00	.00	.00	.00			
SPRINGFIELD	64	.00	.00	.00	.00	.00			
MICHIGAN KALAMAZOO	60	.00	.00	.00	.00	.00			
MUSKEGON	63	.01	.02	.03	.04	.03			
MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00			
NEBRASKA LINCOLN	62	.00	.01	.00	.00	.00			
NEW JERSEY BAYONNE	65	.01	.02						
BRIDGETON	65	.00	.00	.00	.00	.00			
NEW MEXICO ALBUQUERQUE	65	.00	.00	.00	.00	.00			
OHIO AKRON	65	.01	.00	.01	.00	.01			
PENNSYLVANIA ALLENTOWN	65	.01	.00			.01			
ALTOONA	65	.00	.00	.00	.00	.00			
BETHLEHEM	65	.00	.00	.00	.00	.01			
PUERTO RICO BAYAMON	65	.00	.00	.00	.00	.00			
VIRGINIA PORTSMOUTH	65	.00	.01	.00	.00	.00			
RICHMOND	65	.00	.00	.00	.00	.00			

Table 59. TIN, URBAN FREQUENCY DISTRIBUTIONS

Location Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter										Std Geo Dev				
			Min	Frequency Distribution—Percent						Max	Arith Mean	Geo Mean					
				10	20	30	40	50	60	70	80	90					
CALIFORNIA SAN BERNARDINO	63	22						.01	.01	.01	.01	.01	.00	1.03			
FLORIDA TAMPA	63	23						.01	.01	.01	.01	.01	.02	.01	.01	1.68	
INDIANA HAMMOND	63	26						.01	.01	.01	.01	.01	.02	.03	.01	.01	1.81
INDIANAPOLIS	64	26						.01	.01	.01	.01	.01	.01	.04	.01	.01	1.71
KANSAS WICHITA	64	25						.01	.01	.01	.01	.01	.01	.02		.01	1.32
MINNESOTA MINNEAPOLIS	64	26						.01	.01	.01	.01	.01	.01	.01		.01	1.38
NEW MEXICO ALBUQUERQUE	63	25						.01	.01	.01	.01	.01	.01	.00			1.00
NEW YORK NEW YORK CITY	57	25						.01	.01	.01	.01	.02	.04	.01	.01	.01	1.68
ROCHESTER	60	26						.01	.01	.01	.01	.01	.01	.02	.01	.01	1.70
OHIO YOUNGSTOWN	62	25						.01	.01	.01	.01	.01	.01	.01		.01	1.39
	63	25						.01	.01	.01	.01	.01	.01	.02		.01	1.49
	62 63	51						.01	.01	.01	.01	.01	.01	.02		.01	1.48
OREGON PORTLAND	63	20						.01	.01	.01	.01	.01	.01	.01		.01	1.37
	64	25						.01	.01	.01	.01	.01	.01	.01		.01	1.27
	63 64	45						.01	.01	.01	.01	.01	.01	.01		.01	1.32
PENNSYLVANIA JOHNSTOWN	63	23						.01	.01	.01	.01	.01	.01	.01		.01	1.16
TENNESSEE MEMPHIS	64	24						.01	.01	.01	.01	.01	.00				1.03
NASHVILLE	64	24						.01	.01	.01	.01	.01	.01	.01		.01	1.15
TEXAS HOUSTON	64	24						.01	.01	.01	.01	.01	.02		.01		1.64
UTAH SALT LAKE CITY	64	24						.01	.01	.01	.01	.01	.01	.01		.01	1.23

Table 60. TIN, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.0000	0.0000	0.0010	0.0003	NEW YORK CAPE VINCENT	65	0.0000	0.0010	0.0000	0.0026	0.0009
MARICOPA CO	65	0.0015	0.0000	0.0000	0.0013	0.0007	NORTH CAROLINA CAPE HATTERAS	65	0.0000	0.0000	0.0000	0.0000	0.0000
ARKANSAS MONTGOMERY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	OKLAHOMA CHEROKEE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
CALIFORNIA HUMBOLDT CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	OREGON CURRY CO	65	0.0000	0.0000	0.0000	0.0000	0.0000
COLORADO MONTEZUMA CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	PENNSYLVANIA CLARION CO	65	0.0016	0.0016	0.0019	0.0019	0.0016
INDIANA PARKE CO	65	0.0015	0.0000	0.0000	0.0000	0.0004	RHODE ISLAND WASHINGTON CO	65	0.0014	0.0070	0.0000	0.0075	0.0040
ICHA DELAWARE CO	65	0.0000	0.0000	0.0009	0.0000	0.0002	SOUTH CAROLINA RICHLAND CO	65	0.0014	0.0009	0.0000	0.0000	0.0006
MAINE ACADIA NATL PK	65	0.0000	0.0017	0.0010	0.0000	0.0007	SOUTH DAKOTA BLACK HILLS FR	65	0.0000	0.0000	0.0000	0.0000	0.0000
MARYLAND CALVERT CO	65	0.0013	0.0010	0.0014	0.0011	0.0012	TEXAS MATAGORDA CO	65	0.0000	0.0000	0.0000	0.0000	0.0002
MISSISSIPPI JACKSON CO	65	0.0000	0.0000	0.0009	0.0000	0.0002	VERMONT ORANGE CO	65	0.0010	0.0000	0.0000	0.0017	0.0007
MISSOURI SHANNON CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	VIRGINIA SHENANDOAH PK	65	0.0000	0.0010	0.0000	0.0008	0.0005
MONTANA GLACIER NATL PK	65	0.0000	0.0000	0.0000	0.0000	0.0000	WISCONSIN DOOR CO	65	0.0000	0.0018	0.0000	0.0012	0.0008
NEBRASKA THOMAS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000	WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000
NEVADA WHITE PINE CO	65	0.0000	0.0000	0.0000	0.0000	0.0000							
NEW HAMPSHIRE COOS CO	65	0.0000	0.0000	0.0000	0.0000	0.0000							
NEW MEXICO RIO ARriba CO	65	0.0000	0.0000	0.0000	0.0000	0.0000							

Table 61. TITANIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.02	.02	.01	.07	.03	KENTUCKY ASHLAND	64	.03	.03	.01	.01	.02
GADSDEN	64	.01	.00	.01	.02	.01	COVINGTON	64	.02	.01	.03	.02	.02
ARIZONA PARADISE VALLEY	64	.01	.02	.01	.01	.01	MARYLAND BALTIMORE	65	.01	.01	.01	.01	.01
PARADISE VALLEY	65	.03	.02	.02	.01	.02	MASSACHUSETTS BROCKTON	65	.01	.01	.01	.01	.01
ARKANSAS TEXARKANA	64	.01	.00	.00	.01	.01	LYNN	62	.00	.00	.00		
CALIFORNIA BAKERSFIELD	64	.04	.06	.09	.07	.07	SOMERVILLE	62	.02	.02	.00	.02	.02
BURBANK	64	.03	.03	.08	.04	.05	SPRINGFIELD	64	.01	.01	.01	.01	.01
MONTEREY	64	.00	.02	.02	.03	.02	MICHIGAN KALAMAZOO	60	.00	.03	.02	.04	.02
SAN JOSE	63	.06	.02	.06	.03	.04	MUSKEGON	63	.00	.00	.01	.00	.00
CONNECTICUT BRIDGEPORT	62	.01	.00	.02	.00	.01	MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00
HARTFORD	64	.02	.00	.00	.01	.01	NEBRASKA LINCOLN	62	.01	.01	.00	.00	.01
NEW HAVEN	64	.00	.02	.00	.00	.01	NEW JERSEY BAYONNE	65	.01	.03			
GEORGIA ATLANTA	65	.05	.04	.02	.02	.03	BRIDGETON	65	.01	.01	.01	.01	.01
IDAHO BOISE	65	.01	.02	.03	.03	.02	NEW MEXICO ALBUQUERQUE	65	.02	.01	.01	.01	.01
ILLINOIS MOLINE	64	.02	.04	.02	.02	.03	OHIO AKRON	65	.04	.04	.06	.06	.05
ROCK ISLAND	64	.01	.03	.03	.02	.02	PENNSYLVANIA ALLENTOWN	65	.02	.01		.03	
INDIANA BEVERLY SHORES	65	.00	.01	.00	.00	.00	ALTOONA	65	.02	.01	.00	.01	.01
EVANSVILLE	64	.00	.00	.00	.00	.00	BETHLEHEM	65	.01	.01	.01	.04	.02
FORT WAYNE	64	.00	.00	.00	.00	.00	PUERTO RICO BAYAMON	65	.02	.05	.02	.02	.03
TERRE HAUTE	63	.01	.01	.00	.01	.01	VIRGINIA PORTSMOUTH	65	.02	.03	.02	.03	.03
WEST LAFAYETTE	64	.00	.02	.00	.02	.01	RICHMOND	65	.02	.05	.03	.04	.04
IOWA DUBUQUE	64	.00	.01	.01	.02	.01							

Table 62. TITANIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22	.01	.01	.01	.02	.02	.03	.05	.06	.09	.10	.21	.06	.04	2.41
FLORIDA TAMPA	63	23														
INDIANA HAMMOND	63	24														
INDIANAPOLIS	64	24	.01		.01	.02	.03	.03	.04	.04	.05	.05	.09	.04	.03	2.07
KANSAS WICHITA	64	25														
MINNESOTA MINNEAPOLIS	64	26	.01	.01	.02	.03	.04	.05	.06	.06	.07	.08	.10	.05	.04	2.09
NEW MEXICO ALBUQUERQUE	63	25														
NEW YORK NEW YORK CITY	57	25														
ROCHESTER	60	26														
OHIO YOUNGSTOWN	62	25														
	63	26														
	62 63	51														
OREGON PORTLAND	63	20														
	64	25														
	63 64	45														
PENNSYLVANIA JOHNSTOWN	63	23														
TENNESSEE MEMPHIS	64	24														
NASHVILLE	64	26														
TEXAS HOUSTON	64	24														
UTAH SALT LAKE CITY	64	24														

Table 63. TITANIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRANU CANYON PK	65	0.0045	0.0070	0.0059	0.0056	0.0057	NEW HAMPSHIRE CC05 CC	65	0.0016	0.0049	0.0039	0.0040	0.0036
MARICOPA CO	65	0.027	0.016	0.0160	0.0058	0.016	NEW MEXICO RIO ARriba CO	65	0.011	0.025	0.020	0.017	0.018
ARKANSAS MONTGOMERY CO	65	0.0055	0.0066	0.0035	0.0033	0.0047	NEW YORK CAPE VINCENT	65	0.0045	0.0074	0.0039	0.011	0.0067
CALIFORNIA HUMBOLDT CO	65	0.0088	0.0033	0.0045	0.0046	0.0063	NORTH CAROLINA CAPE HATTERAS	65	0.0094	0.0029	0.0056	0.0065	0.0061
COLORADO MONTEZUMA CO	65	0.0063	0.0072	0.012	0.0036	0.0072	OKLAHOMA CHEROKEE CO	65	0.0037	0.0026	0.0051	0.0023	0.0034
INDIANA PARKE CO	65	0.014	0.014	0.020	0.0060	0.013	OREGON CURRY CC	65	0.0069	0.0026	0.011	0.0014	0.0054
IDAHO DELAWARE CO	65	0.0043	0.0060	0.011	0.0082	0.0073	PENNSYLVANIA CLARION CO	65	0.018	0.022	0.0098	0.013	0.015
MAINE ACADIA NATL PK	65	0.0024	0.0033	0.0051	0.0037	0.0036	RHODE ISLAND WASHINGTON CO	65	0.0078	0.036	0.0000	0.028	0.017
MARYLAND CALVERT CO	65	0.0032	0.0034	0.0034	0.0038	0.0034	SOUTH CAROLINA RICHLAND CO	65	0.015	0.0036	0.0021	0.0058	0.0066
MISSISSIPPI JACKSON CO	65	0.0035	0.0046	0.0084	0.0086	0.0063	SOUTH DAKOTA BLACK HILLS FRST	65	0.0011	0.0033	0.0024	0.0076	0.0036
MISSOURI SHANNON CO	65	0.0033	0.0045	0.0060	0.0045	0.0045	TEXAS MATAGORA CO	65	0.0080	0.0075	0.0067	0.0069	0.0072
MONTANA GLACIER NATL PK	65	0.0067	0.0038	0.0037	0.0033	0.0043	VERMONT ORANGE CO	65	0.013	0.0019	0.0061	0.0095	0.0076
NEBRASKA THOMAS CO	65	0.0075	0.010	0.0075	0.0024	0.0068	VIRGINIA SHENANDOAH PK	65	0.0075	0.010	0.0081	0.013	0.0096
NEVADA WHITE PINE CO	65	0.020	0.0056	0.0029	0.0000	0.0071	WISCONSIN DOOR CO	65	0.0056	0.0063	0.0078	0.0061	0.0069
							WYOMING YELLOWSTONE PK	65	0.0089	0.0034	0.0043	0.0028	0.0048

Table 64. VANADIUM, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ALABAMA BIRMINGHAM	65	.004	.004	.000	.004	.003	KENTUCKY ASHLAND	64	.003	.004	.000	.003	.003
GADSDEN	64	.000	.000	.000	.004	.001	COVINGTON	64	.003	.003	.005	.004	.004
ARIZONA PARADISE VALLEY	64	.000	.000	.000	.000	.000	MARYLAND BALTIMORE	65	.100	.037	.060	.088	.071
PARADISE VALLEY	65	.001	.001	.001	.000	.001	MASSACHUSETTS BROCKTON	65	.036	.035	.039	.060	.043
ARKANSAS TEXARKANA	64	.000	.000	.000	.000	.000	LYNN	62	.240	.220	.050		
CALIFORNIA BAKERSFIELD	64	.005	.003	.006	.007	.005	SOMERVILLE	62	.230	.120	.068	.230	.162
BURBANK	64	.008	.003	.006	.015	.008	SPRINGFIELD	64	.084	.032	.033	.094	.061
MONTEREY	64	.000	.004	.004	.005	.003	MICHIGAN KALAMAZOO	60	.000	.003	.000	.011	.004
SAN JOSE	63	.006	.000	.000	.000	.002	MUSKEGON	63	.000	.000	.000	.000	.000
CONNECTICUT BRIDGEPORT	62	.140	.067	.054	.120	.095	MINNESOTA MOORHEAD	64	.000	.000	.000	.000	.000
HARTFORD	64	.130	.043	.030	.090	.073	NEBRASKA LINCOLN	62	.003	.000	.000	.000	.001
NEW HAVEN	64	.100	.069	.055	.120	.086	NEW JERSEY BAYONNE	65	.074	.140			
GEORGIA ATLANTA	65	.004	.000	.000	.000	.001	BRIDGETON	65	.031	.021	.021	.014	.022
IDAHO BOISE	65	.000	.000	.000	.000	.000	NEW MEXICO ALBUQUERQUE	65	.000	.000	.000	.000	.000
ILLINOIS MOLINE	64	.003	.004	.003	.003	.003	OHIO AKRON	65	.006	.004	.005	.005	.005
ROCK ISLAND	64	.000	.003	.003	.003	.002	PENNSYLVANIA ALLENTOWN	65	.014	.007		.022	
INDIANA BEVERLY SHORES	65	.003	.003	.000	.000	.002	ALTOONA	65	.000	.000	.003	.000	.001
EVANSVILLE	64	.000	.000	.000	.000	.000	BETHLEHEM	65	.033	.014	.015	.063	.031
FORT WAYNE	64	.000	.000	.000	.000	.000	PUERTO RICO BAYAMON	65	.048	.076	.022	.022	.042
TERRE HAUTE	63	.000	.000	.000	.000	.000	VIRGINIA PORTSMOUTH	65	.061	.033	.024	.037	.039
WEST LAFAYETTE	64	.005	.003	.000	.013	.005	RICHMOND	65	.082	.078	.025	.100	.071
IOWA DUBUQUE	64	.000	.000	.000	.000	.000							

Table 65. VANADIUM, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22	.001	.003	.005	.007	.008	.009	.011	.014	.017	.034	.010	.007	2.90	
FLORIDA TAMPA	63	23	.007	.007	.009	.012	.014	.017	.020	.023	.049	.056	.085	.025	.019	2.11
INDIANA HAMMOND	63	26	.001	.001	.006	.008	.014	.019	.021	.024	.041	.078	.019	.008	5.45	
INDIANAPOLIS	64	26	.001	.001	.001	.003	.003	.004	.005	.006	.014	.003	.002	3.37		
KANSAS WICHITA	64	25					.001	.001	.001	.001	.001	.000			1.00	
MINNESOTA MINNEAPOLIS	64	26	.001	.001	.001	.004	.005	.006	.010	.017	.031	.006	.003	4.39		
NEW MEXICO ALBUQUERQUE	63	25				.001	.001	.001	.001	.001	.004		.001	1.79		
NEW YORK NEW YORK CITY	57	25	.074	.099	.133	.185	.263	.308	.331	.486	.580	.177	2.000	.458	.306	2.45
ROCHESTER	60	26	.001	.004	.006	.007	.008	.010	.011	.016	.020	.035	.010	.006	3.45	
OHIO YOUNGSTOWN	62	25				.001	.001	.001	.001	.001	.003	.009	.001	.001	2.40	
	63	26				.001	.001	.001	.001	.004	.005	.013	.002	.001	3.10	
	62 63	51				.001	.001	.001	.003	.004	.013	.001	.001	.001	2.75	
OREGON PORTLAND	63	20	.001	.005	.010	.011	.015	.016	.017	.020	.024	.037	.014	.009	3.81	
	64	25	.003	.006	.009	.011	.015	.017	.024	.034	.052	.057	.021	.013	3.48	
	63 64	45	.001	.005	.010	.011	.015	.016	.021	.024	.041	.057	.018	.011	3.62	
PENNSYLVANIA JOHNSTOWN	63	23			.001	.001	.001	.001	.003	.003	.005	.014	.002	.001	3.24	
TENNESSEE MEMPHIS	64	24				.001	.001	.001	.001	.001	.005		.001		1.80	
NASHVILLE	64	24				.001	.001	.001	.001	.001	.005		.001		1.76	
TEXAS HOUSTON	64	24				.001	.001	.001	.001	.001	.004		.001		1.91	
UTAH SALT LAKE CITY	64	24				.001	.001	.001	.001	.001	.000				1.03	

Table 66. VANADIUM, NONURBAN QUARTERLY AND YEARLY AVERAGES.

Station Location	Yr.	Micrograms Per Cubic Meter					Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.0062	0.0005	0.0005	0.0018	NEW YORK CAPE VINCENT	65	0.0060	0.0043	0.0014	0.011	0.0056
MARICOPA CO	65	0.0014	0.0008	0.0008	0.0000	0.0007	NORTH CAROLINA CAPE HATTERAS	65	0.0050	0.0011	0.0033	0.0028	0.0030
ARKANSAS MONTGOMERY CO	65	0.0009	0.0006	0.0006	0.0006	0.0007	OKLAHOMA CHEROKEE CO	65	0.00082	0.00063	0.00070	0.0000	0.00054
CALIFORNIA HUMBOLDT CO	65	0.0009	0.0006	0.0011	0.0007	0.0008	OREGON CURRY CO	65	0.00010	0.00049	0.0012	0.0000	0.00045
COLORADO MONTEZUMA CO	65	0.0009	0.0008	0.0015	0.0006	0.0009	PENNSYLVANIA CLARION CO	65	0.0039	0.0032	0.0014	0.0017	0.0029
INDIANA PARKE CO	65	0.0022	0.0017	0.0025	0.0009	0.0018	RHODE ISLAND WASHINGTON CO	65	0.017	0.036	0.0000	0.044	0.024
ICHA DELAWARE CO	65	0.0008	0.0008	0.0011	0.0007	0.0008	SOUTH CAROLINA RICHLAND CO	65	0.0034	0.0000	0.0070	0.0016	0.0030
MAINE ACADIA NATL PK	65	0.0053	0.015	0.0080	0.0062	0.0086	SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0000	0.0000	0.0007	0.00019
MARYLAND CALVERT CO	65	0.0048	0.0041	0.0080	0.0085	0.0063	TEXAS MATAGORA CO	65	0.0013	0.0015	0.0010	0.0013	0.0012
MISSISSIPPI JACKSON CO	65	0.0009	0.0015	0.0017	0.0016	0.0014	VERMONT ORANGE CO	65	0.027	0.0016	0.0052	0.022	0.013
MISSOURI SHANNON CO	65	0.0004	0.0008	0.0009	0.0009	0.0007	VIRGINIA SHENANDOAH PK	65	0.0013	0.0025	0.0015	0.0029	0.0020
MONTANA GLACIER NATL PK	65	0.0011	0.0005	0.0006	0.0000	0.0005	WISCONSIN DOOR CO	65	0.0010	0.0011	0.0008	0.0013	0.0010
NEBRASKA THOMAS CO	65	0.0009	0.0011	0.0008	0.0000	0.0007	WYOMING YELLOWSTONE PK	65	0.0013	0.0000	0.0000	0.0000	0.00031
NEVADA WHITE PINE CO	65	0.0074	0.0007	0.0000	0.0000	0.0020							
NEW HAMPSHIRE COOS CO	65	0.0017	0.0030	0.0015	0.0053	0.0028							
NEW MEXICO RIO ARIBA CO	65	0.0015	0.0025	0.0023	0.019	0.0063							

Table 67. ZINC, URBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter							
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.			
ALABAMA BIRMINGHAM	65	.79	.88	.50	2.20	1.09			
GADSDEN	64	.32	.97	.42	.25	.49			
ARIZONA PARADISE VALLEY	64	.00	.00	.00	.18	.05			
PARADISE VALLEY	65	.09	.09	.12	.09	.10			
ARKANSAS TEXARKANA	64	.00	.00	.00	.00	.00			
CALIFORNIA BAKERSFIELD	64	.00	.00	.00	.00	.00			
BURBANK	64	.00	.17	.64	.00	.20			
MONTEREY	64	.00	.00	.00	.00	.00			
SAN JOSE	63	.00	.00	.00	.00	.00			
CONNECTICUT BRIDGEPORT	62	2.10	1.70	.39	2.20	1.60			
HARTFORD	64	.00	.00	.00	.00	.00			
NEW HAVEN	64	.00	.00	.00	.00	.00			
GEORGIA ATLANTA	65	.26	.67	.44	.71	.52			
IDAHO BOISE	65	.00	.00	.00	.00	.00			
ILLINOIS MOLINE	64	.00	.00	.00	.00	.00			
ROCK ISLAND	64	.00	.23	.28	.00	.13			
INDIANA BEVERLY SHORES	65	.29	.32	.00	.20	.20			
EVANSVILLE	64	.00	.00	.00	.00	.00			
FORT WAYNE	64	.00	.00	.00	.00	.00			
TERRE HAUTE	63	.00	.00	.00	.00	.00			
WEST LAFAYETTE	64	.00	.00	.00	.16	.04			
IOWA DUBUQUE	64	.00	.00	.00	.00	.00			
KENTUCKY ASHLAND	64	.67	.61	.31	.58	.54			
COVINGTON	64	.71	1.40	2.90	1.80	1.70			
MARYLAND BALTIMORE	65	.55	.31	.25	.25	.34			
MASSACHUSETTS BROCKTON	65	.00	.00	.00	.42	.11			
LYNN	62	.00	.42	.00					
SOMERVILLE	62	.00	.65	.00	.18	.21			
SPRINGFIELD	64	.14	.00	.14	.00	.07			
MICHIGAN KALAMAZOO	60	.00	.00	.00	.14	.04			
MUSKEGON	63	.30	1.10	1.40	2.40	1.30			
MINNESOTA MOORHEAD	64	.00	.00	.00	.00	.00			
N. BRASKA LINCOLN	62	.09	1.90	.00	.00	.50			
NEW JERSEY BAYONNE	65	.41	.74						
BRIDGETON	65	.00	.15	.16	.00	.08			
NEW MEXICO ALBUQUERQUE	65	.00	.00	.00	.00	.00			
OHIO AKRON	65	.45	.62	.43	.41	.48			
PENNSYLVANIA ALLENTOWN	65	.58	.28		.30				
ALTOONA	65	.46	.00	.36	.24	.27			
BETHLEHEM	65	.64	.57	.60	.88	.67			
PUERTO RICO BAYAMON	65	.00	.00	.00	.00	.00			
VIRGINIA PORTSMOUTH	65	.13	.00	.18	.00	.08			
RICHMOND	65	.00	.00	.00	.00	.00			

Table 68. ZINC, URBAN FREQUENCY DISTRIBUTIONS

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
CALIFORNIA SAN BERNARDINO	63	22					.01	.01	.01	.01	.01	.24	.36	.05	.01	4.81
FLORIDA TAMPA	63	23					.01	.01	.01	.01	.13	1.14	3.00	.29	.02	9.73
INDIANA HAMMOND	63	26	.01	.01	.31	.42	.53	.69	.86	1.52	2.03	3.40	.84	.29	.29	8.58
INDIANAPOLIS	64	26	.01	.01	.39	.42	.46	.50	.54	.69	.74	.84	.42	.18	.18	7.58
KANSAS WICHITA	64	25					.01	.01	.01	.29	.36	.64	1.00	.18	.02	9.25
MINNESOTA MINNEAPOLIS	64	26					.01	.01	.01	.01	.01	.01	.51	.06	.01	4.47
NEW MEXICO ALBUQUERQUE	63	25					.01	.01	.01	.01	.01	.01	.00			1.00
NEW YORK NEW YORK CITY	57	35	.01	.15	.36	.48	.54	.60	.74	1.32	2.03	4.70	.89	.32	.32	7.63
ROCHESTER	60	26		.01	.10	.11	.18	.31	.44	.48	.74	1.20	.31	.11	.11	7.43
OHIO YOUNGSTOWN	62	25			.01	.01	.01	.09	.24	.36	.48	.99	2.30	.32	.06	10.62
	63	26			.01	.29	.39	.64	.78	.86	.99	1.52	4.30	.75	.23	9.56
	62 63	51			.01	.01	.10	.31	.48	.74	.89	1.32	4.30	.54	.11	11.18
OREGON PORTLAND	63	20					.01	.01	.01	.01	.01	.29	.80	.08	.01	5.95
	64	25					.01	.01	.01	.31	.86	1.32	3.88	.84	.07	7.55
	63 64	45					.01	.01	.01	.29	.74	1.76	4.80	.50	.03	13.14
PENNSYLVANIA JOHNSTOWN	63	23					.01	.01	.01	.01	.01	.01	.16	.01	.01	2.07
TENNESSEE MEMPHIS	64	24					.01	.01	.01	.01	.01	.01	.31	.01	.01	2.33
NASHVILLE	64	26					.01	.01	.01	.18	.27	.36	1.10	.13	.02	7.72
TEXAS HOUSTON	64	24				.01	.01	.29	.34	.48	.56	.64	.95	.28	.06	10.57
UTAH SALT LAKE CITY	64	24					.01	.01	.01	.01	.01	.27	.36	.04	.01	4.02

Table 69. ZINC, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
ARIZONA GRAND CANYON PK	65	0.0000	0.040	0.0000	0.073	0.028
MARICOPA CO	65	0.093	0.099	0.12	0.085	0.099
ARKANSAS MONTGOMERY CO	65	0.038	0.0000	0.033	0.043	0.028
CALIFORNIA HUMBOLDT CO	65	0.038	0.0000	0.0000	0.0000	0.0095
COLORADO MONTEZUMA CO	65	0.048	0.036	0.0000	0.054	0.034
INDIANA PARKE CO	65	0.17	0.11	0.093	0.058	0.10
IOWA DELAWARE CO	65	0.047	0.037	0.082	0.048	0.053
MAINE ACADIA NATL PK	65	0.0000	0.065	0.058	0.043	0.041
MARYLAND CALVERT CO	65	0.11	0.065	0.12	0.076	0.094
MISSISSIPPI JACKSON CO	65	0.080	0.053	0.085	0.071	0.072
MISSOURI SHANNON CO	65	0.036	0.075	0.040	0.051	0.050
MONTANA GLACIER NATL PK	65	0.032	0.042	0.0000	0.0000	0.018
NEBRASKA THOMAS CO	65	0.057	0.043	0.037	0.038	0.043
NEVADA WHITE PINE CO	65	0.054	0.0000	0.0000	0.0000	0.013
NEW HAMPSHIRE COOS CO	65	0.0000	0.047	0.0000	0.043	0.022
NEW MEXICO RIO ARriba CO	65	0.0000	0.072	0.048	0.0000	0.030

Station Location	Yr.	Micrograms Per Cubic Meter				
		1st Quar.	2nd Quar.	3rd Quar.	4th Quar.	Yrly. Avg.
NEW YORK CAPE VINCENT	65	0.070	0.14	0.051	0.21	0.11
NORTH CAROLINA CAPE HATTERAS	65	0.081	0.0000	0.065	0.053	0.049
OKLAHOMA CHEROKEE CO	65	0.0000	0.040	0.063	0.086	0.047
OREGON CURRY CO	65	0.0000	0.0000	0.036	0.0000	0.0090
PENNSYLVANIA CLARION CO	65	0.24	0.25	0.096	0.23	0.20
RHODE ISLAND WASHINGTON CO	65	0.13	0.25	0.071	0.25	0.17
SOUTH CAROLINA RICHLAND CO	65	0.19	0.15	0.092	0.15	0.13
SOUTH DAKOTA BLACK HILLS FRS	65	0.0000	0.0000	0.0000	0.0000	0.0000
TEXAS MATAGORA CO	65	0.055	0.0000	0.040	0.066	0.040
VERMONT ORANGE CO	65	0.080	0.0000	0.054	0.14	0.075
VIRGINIA SHENANDOAH PK	65	0.055	0.0000	0.056	0.066	0.044
WISCONSIN DOOR CO	65	0.051	0.061	0.052	0.075	0.059
WYOMING YELLOWSTONE PK	65	0.0000	0.0000	0.0000	0.0000	0.0000

Table 70. SOILING INDICES, MONTHLY FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	COH (2 hour averaging time)									Max	Arith Mean		
		Min.	Frequency Distribution, percent											
			10	30	50	70	90	95	98	99				
CHICAGO														
JANUARY	100	0.0	1.2	2.8	3.7	4.8	7.5	8.9	10.5	13.4	16.4	4.11		
FEBRUARY	70	0.7	1.8	2.6	3.4	4.2	5.7	6.3	9.2	9.9	11.4	3.59		
MARCH	100	0.1	1.5	2.4	3.0	3.6	4.9	5.4	6.6	6.8	12.1	3.12		
APRIL	100	0.5	1.2	1.8	2.4	3.0	4.9	6.5	7.4	7.5	14.1	2.78		
MAY	100	0.0	0.5	0.8	1.1	1.4	2.2	3.1	4.7	4.8	6.1	1.30		
JUNE	95	0.2	0.5	0.8	1.0	1.3	1.9	2.1	2.4	2.8	4.1	1.12		
JULY	45	0.1	0.5	0.8	1.1	1.4	2.0	2.3	3.0	3.1	3.5	a		
AUGUST	15	0.3	0.6	0.9	1.2	1.8	2.8	3.1	3.4	4.2	4.2	a		
SEPTEMBER	35	0.2	0.6	0.9	1.1	1.5	2.7	3.2	3.6	4.1	4.3	a		
OCTOBER	90	0.2	0.7	1.0	1.2	1.6	2.5	3.0	4.0	4.3	5.7	1.42		
NOVEMBER	0													
DECEMBER	100	0.6	1.1	1.7	2.0	2.3	3.0	3.4	4.1	4.3	6.1	2.04		
YEAR	70	0.0	0.7	1.2	1.8	2.7	4.4	5.5	7.1	8.7	16.4	2.29		
CINCINNATI														
JANUARY	95	0.2	0.6	0.9	1.2	1.6	2.9	3.9	4.6	4.8	8.5	1.50		
FEBRUARY	90	0.1	0.5	0.9	1.2	1.5	2.1	2.5	2.7	2.9	3.8	1.28		
MARCH	100	0.0	0.3	0.5	0.8	1.1	2.1	2.7	3.1	3.8	4.2	1.01		
APRIL	45	0.2	0.5	0.9	1.2	1.6	2.2	2.9	3.9	4.1	4.2	a		
MAY	75	0.0	0.3	0.5	0.8	1.1	1.8	2.1	2.4	2.8	3.2	0.92		
JUNE	85	0.0	0.2	0.3	0.5	0.8	1.4	1.6	2.0	2.3	2.6	0.65		
JULY	40	0.0	0.2	0.4	0.6	0.8	1.6	1.8	2.0	2.3	2.8	a		
AUGUST	100	0.0	0.3	0.5	0.7	1.1	1.8	2.2	2.7	2.8	3.6	0.89		
SEPTEMBER	100	0.0	0.4	0.7	1.0	1.4	2.4	3.0	3.6	3.8	4.5	1.20		
OCTOBER	50	0.1	0.6	1.0	1.4	2.2	3.5	4.2	5.2	6.2	6.7	a		
NOVEMBER	100	0.1	0.5	0.9	1.3	1.8	2.7	3.4	4.3	4.5	5.5	1.46		
DECEMBER	80	0.1	0.7	1.1	1.4	1.8	2.4	2.8	3.3	3.5	3.7	1.49		
YEAR	80	0.0	0.3	0.7	1.0	1.4	2.3	2.8	3.6	4.1	8.5	1.18		
PHILADELPHIA														
JANUARY	30	0.1	0.8	1.3	1.9	2.7	4.0	4.7	5.0	5.2	7.6	a		
FEBRUARY	90	0.0	0.5	1.0	1.5	2.0	3.4	4.7	6.1	7.9	9.2	1.82		
MARCH	100	0.0	0.5	0.9	1.2	1.7	2.9	3.5	4.5	5.5	11.2	1.47		
APRIL	85	0.0	0.1	0.3	0.4	0.6	1.0	1.3	1.6	1.8	2.8	0.51		
MAY	35	0.0	0.1	0.3	0.5	0.7	1.2	1.5	2.0	2.1	2.1	a		
JUNE	85	0.0	0.3	0.5	0.7	0.9	1.3	1.6	1.8	1.9	2.1	0.78		
JULY	100	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.0	0.73		
AUGUST	100	0.0	0.2	0.4	0.5	0.7	1.0	1.3	2.0	2.3	3.0	0.59		
SEPTEMBER	55	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	0.29		
OCTOBER	0													
NOVEMBER	0													
DECEMBER	0													
YEAR	60	0.0	0.2	0.4	0.7	1.0	2.0	2.8	3.9	4.9	11.2	0.96		
ST. LOUIS														
JANUARY	100	0.1	0.7	1.1	1.4	1.9	3.1	4.0	5.7	6.3	12.6	1.74		
FEBRUARY	90	0.3	0.7	1.1	1.5	1.9	2.8	3.1	3.7	4.8	10.2	1.65		
MARCH	100	0.0	0.6	0.9	1.2	1.6	2.4	2.7	3.3	3.9	6.0	1.39		
APRIL	35	0.1	0.5	0.7	0.9	1.1	1.7	1.8	3.4	5.5	7.5	a		
MAY	75	0.0	0.5	0.7	1.0	1.2	1.7	2.1	2.4	2.9	3.2	1.05		
JUNE	100	0.1	0.5	0.7	0.9	1.2	1.6	2.0	2.4	2.7	3.2	1.02		
JULY	100	0.0	0.2	0.4	0.5	0.6	0.8	1.1	1.3	2.4	3.9	0.56		
AUGUST	100	0.0	0.2	0.4	0.6	0.8	1.1	1.4	1.7	1.9	2.2	0.62		
SEPTEMBER	100	0.1	0.4	0.7	0.8	1.1	1.5	1.8	2.2	2.4	5.9	0.91		
OCTOBER	100	0.1	0.4	0.6	1.0	1.4	2.3	3.0	3.5	3.7	13.1	1.19		
NOVEMBER	100	0.2	0.7	1.0	1.3	1.7	2.9	3.7	4.6	5.5	6.7	1.59		
DECEMBER	100	0.0	0.6	1.0	1.2	1.5	2.2	2.6	3.3	3.9	12.2	1.33		
YEAR	90	0.0	0.4	0.7	1.0	1.3	2.2	2.7	3.6	4.4	13.1	1.18		
WASHINGTON														
JANUARY	100	0.0	0.4	0.9	1.3	1.8	3.1	3.8	5.2	5.6	11.1	1.57		
FEBRUARY	90	0.0	0.4	1.0	1.4	2.0	2.9	4.0	5.0	6.5	8.0	1.66		
MARCH	100	0.0	0.4	0.7	1.0	1.4	2.2	2.7	3.7	4.7	7.3	1.18		
APRIL	100	0.0	0.3	0.6	0.8	1.0	1.5	1.8	2.2	2.7	7.3	0.88		
MAY	100	0.0	0.1	0.4	0.5	0.7	1.2	1.7	2.1	2.4	2.6	0.62		
JUNE	95	0.0	0.1	0.3	0.4	0.5	0.8	0.9	1.1	1.2	1.8	0.42		
JULY	80	0.0	0.1	0.3	0.4	0.5	0.8	1.0	1.1	1.3	1.5	0.41		
AUGUST	100	0.0	0.1	0.3	0.4	0.5	0.8	1.0	1.1	1.3	1.8	0.44		
SEPTEMBER	95	0.0	0.2	0.3	0.5	0.7	1.1	1.4	1.7	2.1	3.3	0.58		
OCTOBER	100	0.1	0.3	0.6	0.8	1.1	2.0	2.6	3.4	3.8	4.2	0.98		
NOVEMBER	100	0.0	0.3	0.6	0.8	1.2	2.1	2.9	3.5	3.7	6.3	1.05		
DECEMBER	100	0.0	0.4	0.7	1.0	1.4	2.1	2.6	3.0	3.1	3.2	1.17		
YEAR	95	0.0	0.2	0.4	0.7	1.1	1.9	2.5	3.3	4.0	11.1	0.92		

<sup>a</sup> Average not calculated because of insufficient or poorly distributed data

Table 71. SOILING INDICES, DAILY AVERAGES (COH).

## CHICAGO

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	1.84		4.33	2.67	2.20	0.98		1.72		1.61		
2	1.82		4.37	1.90	1.77	1.91		1.62		1.03		
3	3.51		3.35	1.91	2.15			0.79		1.25		
4	3.40		2.69	3.71	2.36	0.77		2.00		0.89		
5	9.01		2.00	3.04	2.10	0.47				1.55		
6	4.74		2.73	2.84	1.25	0.69				1.85		
7	3.65		4.59	3.03	1.26	1.23	1.36			1.41		
8	4.28		3.95	3.59	0.48	0.74	1.76			0.94		
9	2.94		3.05	4.43	2.80	1.15	0.95	1.27		0.83		
10	3.58		3.16	4.72	1.86	0.78	0.83	2.28		1.23		
11	3.36		3.53	3.61	1.86	0.75	0.89	1.29		1.66		
12	2.82		5.75	3.46	1.65	1.13	0.77	1.50		2.31		
13	5.35		3.19	1.09	2.33	1.01	1.42	1.94		1.94		
14	4.64		3.49	1.07	1.67	1.24	0.92	0.94		1.06		
15	1.56		4.25	2.79	2.34	1.56	1.60	0.92		0.72		
16	2.51		3.25	2.51	3.94	1.76	1.40	0.65		0.99		
17	5.45		3.44	3.32	4.36	1.94	1.35			1.79		
18	6.45		2.15	2.28	3.93	1.80	1.47			1.64		
19	6.82		2.92	1.75	2.53	0.93	0.99			1.98		
20	6.06		4.38	2.75	2.91	1.30	1.14			1.97		
21	1.19		5.64	3.12	1.84	1.30	1.46			1.34	1.14	
22	2.74		5.59	4.12	1.92	0.86	1.47			1.17	0.97	
23	3.37		1.92	2.92	3.94	1.26	1.40			1.13	1.21	
24	9.06		2.54	3.27	3.51	1.60	1.60			1.41	1.75	
25	2.61		4.47	4.73	4.55	1.44	1.08			0.87	2.13	
26	4.30		2.61	2.93	3.19	2.12	0.94			1.79	2.53	
27	3.90		2.66	2.13	2.02	1.09	1.11			1.82	1.46	
28	4.35		4.32	4.46	3.61	0.43	1.23			1.52		
29	4.56		4.28	2.78	2.71	0.72	1.17	0.79		1.19		
30	5.24			3.00	2.25	0.53		0.70		1.44		
31						1.08						1.76
MONTHLY MEAN	4.06	3.56	3.12	2.77	1.30	1.11	1.48			1.41		2.03

## CINCINNATI

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1			1.58	1.05	0.71		0.72	1.27	2.56	1.15	1.08	1.14
2			1.15	1.98	1.61		1.26	0.61	1.82	1.79	1.17	0.94
3			1.17	1.47	1.22		1.02	0.32	1.03		1.09	1.29
4	3.78	1.04	0.72	1.25		0.63	1.10	0.42		2.02	1.02	
5	3.23	1.83	0.72	1.35		0.36	1.45	0.41		2.09	1.89	
6	1.98	1.79	0.50	1.36		0.52		1.34	0.95		2.13	1.57
7	1.18	1.94	0.61	1.79		0.61		0.90	1.33			
8	0.99	1.86	1.06	1.13		0.75		0.75	0.85		0.86	1.31
9	1.61	1.70	1.48	1.53		0.53		0.82	1.70		0.66	1.09
10	0.97	1.37	1.54	1.70		0.31		0.67	1.66			
11	0.89	0.96	1.31	1.24	1.31	0.42		0.56	1.33		1.46	0.81
12	1.11	1.64	1.07	1.44		0.92	0.87	1.06	1.27		1.88	1.07
13	1.09		0.62			1.10	0.74	0.71	0.91		1.43	1.52
14	1.43	1.29	1.07			1.02	0.39	0.38	0.91		3.28	2.28
15	2.62	0.94	1.01			1.25	0.51	0.44	0.93		2.39	2.72
16	0.91	1.07	1.07			1.24	0.50	0.55	1.69		2.77	2.45
17	1.02	1.07	1.61			1.31	0.77	1.22	2.24		1.46	2.17
18	1.00	1.61	0.67			0.90	1.03	1.38	1.44		0.99	1.95
19	1.72	1.03	0.54			0.87	0.77	1.31	0.77	1.24	0.81	1.79
20	1.75	0.74	0.74			1.12	0.35	0.63	0.77	0.99	0.85	1.06
21	1.05	1.06	1.49			1.28	0.63	0.46	0.39	1.29	2.55	1.64
22	2.08	1.19	0.65			0.62	0.81	0.92	0.56	0.97	0.90	1.76
23	0.83	1.26	0.46			0.91	1.02	0.80	0.64	0.85	0.96	1.54
24	1.89	2.29	0.50			0.46	0.70	0.70	0.87	1.63	2.98	1.25
25	1.54	1.17	0.67			0.47	0.76	1.14	1.00	1.37	2.05	1.41
26	1.61	0.77	0.70			1.40	0.45	1.28	1.02	0.81	1.91	1.57
27	1.44	1.21	0.59			1.39	1.12	1.34	1.34	3.36	0.54	
28	1.09	1.15	1.42			0.71		0.62	0.97	3.04	0.68	
29	1.64		2.14			0.42	0.48	1.53	1.43	1.67	0.78	
30	1.17		1.10			0.58	0.49	1.60	1.01	1.60	1.30	
31	2.14		1.50			0.86	0.87	1.76	1.87			
MONTHLY MEAN	1.68	1.27	1.10			0.92	0.64		0.90	1.20		1.44
												1.47

Table 71 (continued). SOILING INDICES, DAILY AVERAGES (COH).

## PHILADELPHIA

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	2.36	1.46	1.04			1.01	0.68	0.70				
2	2.05	1.45	0.66			0.75	0.73	0.46				
3	1.05	4.51	0.64	1.00		0.75	0.56	0.48				
4	2.85	0.37	3.49	0.87	0.25	0.70	1.37	0.38				
5	0.00	0.57	1.71	0.55	0.03	1.14	1.04	0.33				
6	2.75	0.40	0.49	0.72	0.29	0.85	1.13	0.33				
7	3.47	2.78	1.24	0.97	0.21	0.75	0.93	0.49	0.33			
8	3.55	0.96	0.58			0.97	0.66	0.65	0.35			
9	4.84	1.49	0.32	0.39	0.72	0.68	0.54	0.38				
10		1.51	2.12	0.37	0.65	0.53	0.60	0.53	0.35			
11	3.65	3.22	0.53	.88	0.31	0.79	0.54	0.23				
12	3.15	1.07	1.11	0.79	0.35	1.03	0.57	0.39				
13	1.17	0.40	0.24	0.60	0.81	0.88	0.37	0.12				
14	1.69	1.34	0.41	0.58	0.93	0.85	0.51	0.23				
15	1.77	1.50	0.31	0.77	0.99	0.77	0.85	0.14				
16		1.93	1.06	0.67		1.02	0.40	0.65	0.24			
17		1.17	4.50	0.36		0.93	0.54	0.39	0.18			
18		2.50	1.66	0.84		1.05	0.93	0.85	0.18			
19		1.48	1.19	0.43		0.73	0.80	0.73				
20		1.18	0.62	0.74	0.50	0.95	0.51	0.43				
21	1.65	1.10	1.37	0.42		0.82	0.73	0.34				
22	2.20	0.98	2.43	0.36		0.75	0.91	0.55				
23	0.83	1.53	1.76	0.43		0.93	0.58	0.54				
24		2.33	1.67	0.31		0.92	0.54	0.45				
25		1.61	1.16	0.53		0.71	0.75	0.53				
26		1.15	1.08	0.56		0.49	1.02	0.62				
27		1.34	0.50	0.49		1.22	0.84	0.61				
28		2.24	0.49	0.30		1.11	0.98	0.49				
29			0.97	0.40		0.90	0.90	0.68				
30			1.14			0.98	0.54	0.64				
31			0.48				0.69	0.65				
<b>MONTHLY MEAN</b>		1.79	1.45	0.51		0.79	0.73	0.59	0.27			

## ST. LOUIS

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	
1	0.97	1.86	1.31	1.16		1.69	1.18	0.59	1.13	0.82	0.85	0.95	
2	0.44	2.08	1.65	1.01		1.57	0.71	0.42	0.80	0.63	1.37	0.93	
3	1.90	1.64	1.44	0.90		1.29	0.74	0.32	1.05	0.97	1.54	1.55	
4	3.17	1.79	0.98	0.98		1.01	0.47	0.37	0.38	0.58	1.63	1.25	
5	4.87	1.90	1.00	0.80		0.68	0.50	0.41	0.50	0.78	1.19	1.36	
6	1.33	1.48	0.90	1.01		0.76	0.49	0.58	0.63	2.16	1.14	1.12	
7	1.21	2.52	1.22	1.16		1.36	0.46	0.23	0.85	1.44	1.45	1.16	
8	1.57	1.83	1.75	1.23		1.05	0.61	0.41	1.06	1.89	1.16	0.81	
9	0.79	1.41	1.11	0.90	1.20	0.67	0.61	0.84	1.18	1.04	1.14	1.23	
10	1.57	1.47	1.40	2.16	1.57	0.98	0.58	0.75	0.99	0.93	1.33	0.96	
11	2.59	1.97	1.47		1.77	1.17	0.78	0.76	0.81	1.27	1.89	1.00	
12	1.40	1.95	1.10		1.09	0.84	0.50	1.13	1.02	1.15	1.25		
13	1.74	0.86	1.13		1.23	0.82	0.52	0.65	1.22	0.86	2.84		
14	2.92	1.75	1.45		1.08	0.83	0.59	0.52	0.89	0.70	4.04		
15	2.52	3.24	1.47		1.07	0.60	0.64	0.57	0.42	2.95			
16	0.84	1.29	2.63		1.57	0.62	0.52	0.70	1.00	0.40	2.33		
17	1.13	1.56	1.41		1.32	1.15	0.38	1.01	1.11	1.86	2.57		
18	1.40	1.52	1.06		0.90	0.97	0.51	0.81	0.81	1.00	1.36		
19	2.15	1.01	0.82		1.20	1.31	0.96	0.95	0.88	1.17	2.07	1.18	
20	2.20	1.65	1.48		1.56	1.33	0.50	0.60	1.13	1.53	1.83	1.76	
21	1.98	1.14	1.49		1.09	1.26	0.67	0.40	1.06	1.17	2.27	2.15	
22	1.52	1.94	1.15		0.87	1.49	0.82	0.31	1.04	0.81	1.50	1.23	
23	1.37	1.90	0.46		0.89	1.29	0.73	0.38	0.92	1.90	1.44	1.36	
24	1.28	2.03	0.43		0.66	1.13	0.24	0.51	1.27	2.28	1.02	1.58	
25	1.96	1.64		1.25	1.53	0.78	0.76	0.74	0.79	1.97	1.35	1.85	
26	2.36	1.70			1.13	0.70	0.43	0.76	1.10	2.66	0.96	1.78	
27	1.90	1.89			1.01	1.30	0.66	0.53	1.17	1.73	0.62	1.78	
28	1.61	1.44			0.85	0.88	0.52	0.57	1.55	1.51	1.02	1.07	
29	1.25				0.57	0.92	0.54	1.11	0.86	0.81	1.21	1.52	
30	1.16			1.25	0.44	1.16	0.48	1.25	0.93	0.64	1.59	1.73	
31	1.76		1.62		0.86		0.46	1.22		1.08		1.02	
<b>MONTHLY MEAN</b>		1.73	1.65	1.98		1.05	1.01	0.55	0.62	0.91	1.18	1.58	1.30

Table 71 (continued). SOILING INDICES, DAILY AVERAGES (COH).

## WASHINGTON, D.C.

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	0.17	1.22	1.13	1.12	0.73	0.36	0.76	0.50	0.83	0.61	0.85	1.38
2	0.30	0.52	2.43	0.74	0.56	0.40	0.52	0.43	0.64	0.66	0.48	1.12
3	1.11	1.22	2.16	1.12	1.02	0.43	0.49	0.36	0.50	1.34	0.48	0.72
4	1.71	0.65	1.15	1.20	0.97	0.45	0.64	0.68	0.49	0.67	0.80	0.88
5	3.70	0.77	1.00	0.90	1.27	0.38	0.56	0.51	0.22	0.61	0.72	1.57
6	1.39	1.09	0.90	0.96	0.71	0.35	0.85	0.65	0.42	0.65	0.69	2.72
7	3.30	0.99	1.20	1.24	0.42	0.55	0.34	0.40	0.34	1.09	1.28	1.61
8	1.74	0.97	2.48	0.68	0.47	0.59	0.54	0.47	0.54	0.86	0.96	0.84
9	1.44	2.34	1.40	0.74	0.63	0.48	0.43	0.44	0.49	0.77	0.77	0.80
10	1.30	3.00	1.45	0.71	0.90	0.41	0.30	0.50	0.48	0.56	0.56	0.51
11	1.01	3.57	1.42	1.02	1.18	0.25	0.37	0.32	0.38	1.64	0.65	0.62
12	1.80	2.95	4.47	1.21	0.47	0.40	0.40	0.32	0.40	0.93	0.75	
13	2.11	1.05	1.21	0.80	0.69	0.34	0.24	0.38	0.16	0.74	1.22	
14	2.74	1.17	0.46	1.26	0.86	0.59		0.37	0.41		1.15	
15	2.05	1.96	1.09	1.89	0.79	0.52		0.56	0.42		0.88	1.55
16	1.65	1.75	1.08	1.03	0.69	0.67		0.48	0.94		1.59	2.26
17	1.11	1.55	1.20	0.71	0.86	0.57		0.29	1.04		1.14	1.92
18	1.68	2.41	0.62	1.03	0.50	0.42		0.54	0.84		1.29	1.41
19	1.04	2.14	0.45	0.93	0.56	0.49		0.55	0.61	1.15	0.49	0.91
20	1.87	0.95	0.57	0.77	0.84	0.37	0.37	0.53	0.25	0.97	0.30	1.05
21	1.46	1.70	0.97	0.70	0.82	0.64	0.32	0.27	0.54	1.40	1.52	1.00
22	2.04	1.42	1.16	0.90	0.55	0.54	0.36	0.48	0.78	0.77	2.01	1.75
23	2.81	2.41	1.08	0.70	1.17	0.42	0.34	0.47	0.47	0.95	3.17	1.08
24	1.12	2.84	0.85	0.50	0.51	0.44	0.27	0.47	0.65	1.00	2.14	1.67
25	1.71	1.99	0.84	0.46	0.57	0.17	0.31	0.61	0.59	1.12	1.72	0.71
26	2.20	1.40	1.18	0.74	0.37	0.40	0.43	0.51	0.65	1.69	1.06	0.71
27	1.78	1.48	0.65	0.63	0.32	0.44	0.72	0.53	0.87	2.12	1.71	1.33
28	1.13	1.67	0.91	0.58	0.31	0.62	0.46	0.40	1.11	2.48	0.68	1.74
29	1.27	1.21	0.91	0.26	0.48	0.48	0.87	0.87	0.95	1.22	0.74	1.04
30	3.54	1.42	0.93	0.29	0.60	0.47	0.56	0.74	0.60	0.75	1.01	
31	2.98		1.45		0.35		0.32	0.71		0.88		1.39
MONTHLY MEAN	1.55	1.63	1.17	0.87	0.61	0.42	0.40	0.44	0.55	0.98	1.04	1.17

Table 72. CARBON MONOXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)									Max	Arith Mean		
		Min.	Frequency Distribution, percent											
			10	30	50	70	90	95	98	99				
CHICAGO														
JANUARY	27	1	5	10	13	17	25	30	35	38	49	14.2		
FEBRUARY	-											a		
MARCH	19	1	2	4	7	9	13	15	17	20	27	a		
APRIL	84	1	5	10	13	17	25	29	35	39	66	14.6		
MAY	80	1	9	12	15	19	25	29	33	36	60	15.9		
JUNE	45	1	7	10	12	15	21	25	29	33	49	13.4		
JULY	70	1	4	6	8	11	16	19	22	24	38	9.1		
AUGUST	94	1	4	6	8	11	16	19	22	25	37	9.2		
SEPTEMBER	90	1	5	10	12	15	20	23	26	29	39	13.0		
OCTOBER	98	1	5	9	12	15	21	24	28	32	45	12.9		
NOVEMBER	1	10	12	12	13	14	15	15	15	16	33	a		
DECEMBER	0											a		
YEAR	57	1	5	9	11	15	21	25	30	33	66	12.5		
CINCINNATI														
JANUARY	42	1	1	2	3	4	6	7	8	14	14	a		
FEBRUARY	11	1	3	4	4	5	6	7	10	12	20	a		
MARCH	35	1	2	3	3	4	4	9	11	11	18	3.9		
APRIL	83	1	1	2	3	4	6	7	9	10	25	3.4		
MAY	94	1	2	4	5	6	8	9	11	12	24	5.0		
JUNE	23	1	4	5	6	7	9	11	12	13	21	6.5		
JULY	21	1	4	5	6	7	9	10	11	12	19	6.2		
AUGUST	92	1	3	4	5	6	9	10	11	12	19	5.6		
SEPTEMBER	66	1	2	4	5	6	9	11	13	14	29	5.4		
OCTOBER	98	1	2	3	4	5	8	10	13	15	28	4.8		
NOVEMBER	48	1	3	3	5	7	9	11	14	14	32	4.0		
DECEMBER	50	1	2	3	4	5	6	7	9	10	20	a		
YEAR	74	1	2	3	5	6	9	9	11	13	32	4.9		
DENVER														
JANUARY	70	1	2	5	7	10	16	20	29	35	63	8.6		
FEBRUARY	77	1	2	5	7	9	14	18	22	25	47	7.7		
MARCH	94	1	1	4	6	8	12	14	17	19	34	6.1		
APRIL	20	1	3	5	7	9	12	14	17	19	27	7.2		
MAY	90	1	3	5	7	9	12	14	16	18	27	6.9		
JUNE	94	1	2	4	6	8	12	14	17	19	33	6.6		
JULY	50	1	3	6	8	10	14	15	18	19	28	9.1		
AUGUST	67	1	4	6	8	11	13	15	17	21	27	6.2		
SEPTEMBER	95	1	3	5	7	10	15	17	21	23	35	8.2		
OCTOBER	51	1	2	4	6	9	13	16	19	22	38	6.9		
NOVEMBER	74	1	4	7	9	13	22	29	38	44	63	11.5		
DECEMBER	94	1	3	6	9	12	17	21	27	33	55	9.7		
YEAR	81	1	2	5	7	9	14	17	22	27	63	7.8		
PHILADELPHIA														
JANUARY	98	1	4	5	6	6	8	8	9	10	41	5.8		
FEBRUARY	99	1	4	5	6	7	10	12	15	17	22	6.8		
MARCH	94	1	4	5	6	8	10	11	12	13	19	6.6		
APRIL	29	1	5	6	7	10	11	12	12	12	16	6.7		
MAY	90	1	4	5	6	7	9	10	12	13	18	6.2		
JUNE	99	1	2	4	5	6	7	8	9	10	17	4.7		
JULY	97	1	2	4	5	7	9	10	11	12	17	5.5		
AUGUST	98	1	5	6	8	9	12	14	16	19	26	8.0		
SEPTEMBER	99	1	4	5	8	10	12	14	16	17	31	7.7		
OCTOBER	95	1	5	7	9	11	15	19	26	32	47	10.0		
NOVEMBER	86	1	3	7	8	10	13	14	15	17	28	8.2		
DECEMBER	98	1	2	4	6	8	10	11	13	13	36	5.2		
YEAR	94	1	3	5	6	8	11	12	15	17	47	6.7		
ST. LOUIS														
JANUARY	97	1	3	6	8	9	12	14	17	20	43	7.7		
FEBRUARY	93	1	2	4	6	8	12	14	18	21	37	6.5		
MARCH	91	1	2	5	7	9	14	16	19	21	33	7.5		
APRIL	84	1	1	3	4	5	8	10	12	15	29	4.5		
MAY	96	1	2	3	3	4	6	8	10	11	23	3.3		
JUNE	96	1	2	3	4	5	8	10	11	14	23	4.7		
JULY	70	1	2	4	5	6	9	11	14	17	34	5.6		
AUGUST	81	1	2	3	4	5	8	10	12	15	43	4.5		
SEPTEMBER	81	1	3	4	5	6	9	11	13	16	44	5.6		
OCTOBER	92	1	2	3	4	6	9	11	14	18	37	4.7		
NOVEMBER	86	1	3	5	6	9	11	13	17	22	68	6.7		
DECEMBER	90	1	3	5	6	8	11	14	17	21	46	6.8		
YEAR	78	1	2	4	5	7	10	13	16	19	48	5.7		
WASHINGTON														
JANUARY	97	1	2	3	3	6	6	7	8	9	23	3.7		
FEBRUARY	95	1	2	3	4	5	7	9	11	18	30	4.2		
MARCH	98	1	1	2	3	4	5	6	7	15	29	3.2		
APRIL	99	1	1	2	3	4	5	6	7	11	26	2.2		
MAY	98	1	1	2	2	3	4	5	7	9	12	2.3		
JUNE	90	1	1	2	2	3	5	6	7	9	21	2.5		
JULY	94	1	1	1	2	3	4	5	6	7	14	2.2		
AUGUST	94	1	1	2	2	3	4	5	6	7	12	2.5		
SEPTEMBER	92	1	2	3	3	4	6	6	9	14	26	4.0		
OCTOBER	97	1	1	2	4	5	10	14	19	22	47	4.6		
NOVEMBER	67	1	1	3	4	6	8	10	12	14	28	4.5		
DECEMBER	71	1	2	3	4	5	7	9	12	14	22	4.1		
YEAR	90	1	1	2	3	4	6	6	7	10	47	3.2		

<sup>a</sup> Average not calculated because of insufficient or poorly distributed data.

Table 73. NITRIC OXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)									Max	Arith Mean		
		Frequency Distribution, percent												
		Min	10	30	50	70	90	95	98	99				
CHICAGO														
JANUARY	65	0.01	0.05	0.08	0.11	0.16	0.22	0.27	0.34	0.41	0.66	0.128		
FEBRILARY	41	0.02	0.05	0.09	0.13	0.17	0.24	0.28	0.37	0.42	0.56	a		
MARCH	83	0.00	0.03	0.07	0.10	0.13	0.19	0.22	0.27	0.31	0.59	0.107		
APRIL	73	0.00	0.02	0.07	0.10	0.13	0.19	0.23	0.33	0.36	0.57	0.107		
MAY	77	0.00	0.01	0.04	0.07	0.10	0.15	0.19	0.22	0.24	0.43	0.076		
JUNE	75	0.00	0.01	0.03	0.06	0.09	0.14	0.17	0.20	0.23	0.28	0.069		
JULY	90	0.00	0.00	0.02	0.04	0.07	0.12	0.15	0.18	0.20	0.26	0.054		
AUGUST	80	0.00	0.01	0.04	0.06	0.09	0.14	0.16	0.21	0.25	0.39	0.071		
SEPTEMBFR	82	0.00	0.01	0.04	0.07	0.11	0.17	0.21	0.26	0.31	0.42	0.082		
OCTOBER	65	0.00	0.03	0.06	0.10	0.15	0.25	0.30	0.41	0.49	0.74	0.123		
NOVEMBER	86	0.00	0.04	0.09	0.13	0.17	0.25	0.30	0.38	0.45	0.59	0.142		
DECEMBER	70	0.01	0.05	0.10	0.13	0.18	0.27	0.32	0.42	0.46	0.68	0.151		
YEAR	74	0.00	0.02	0.05	0.09	0.13	0.20	0.24	0.31	0.37	0.74	0.101		
CINCINNATI														
JANUARY	60	0.00	0.00	0.01	0.02	0.03	0.06	0.10	0.16	0.20	0.32	0.030		
FEBRILARY	85	0.00	0.01	0.02	0.02	0.04	0.08	0.11	0.20	0.26	0.48	0.036		
MARCH	66	0.00	0.00	0.01	0.02	0.03	0.08	0.14	0.23	0.33	0.52	0.034		
APRIL	52	0.00	0.00	0.01	0.01	0.02	0.06	0.12	0.17	0.20	0.29	0.024		
MAY	59	0.00	0.00	0.01	0.01	0.02	0.07	0.10	0.13	0.16	0.25	0.026		
JUNE	73	0.00	0.00	0.01	0.01	0.04	0.11	0.14	0.17	0.19	0.27	0.037		
JULY	82	0.00	0.00	0.01	0.01	0.02	0.06	0.10	0.13	0.16	0.26	0.021		
AUGUST	28	0.00	0.01	0.02	0.05	0.09	0.17	0.22	0.26	0.28	0.33	a		
SEPTEMBFR	43	0.00	0.00	0.01	0.02	0.05	0.13	0.20	0.28	0.33	0.44	a		
OCTOBER	87	0.00	0.01	0.01	0.03	0.06	0.20	0.30	0.43	0.56	1.18	0.072		
NOVEMBER	76	0.00	0.01	0.02	0.03	0.05	0.14	0.24	0.43	0.49	0.86	0.060		
DECEMBER	85	0.00	0.01	0.02	0.03	0.05	0.08	0.12	0.22	0.28	0.58	0.043		
YEAR	64	0.00	0.00	0.01	0.02	0.04	0.10	0.16	0.25	0.33	1.18	0.041		
DENVER														
JANUARY	93	0.00	0.01	0.03	0.06	0.10	0.18	0.24	0.31	0.38	0.59	0.083		
FEBRILARY	93	0.00	0.01	0.02	0.04	0.06	0.11	0.16	0.22	0.27	0.47	0.054		
MARCH	88	0.00	0.00	0.01	0.02	0.03	0.06	0.08	0.11	0.13	0.23	0.028		
APRIL	86	0.00	0.00	0.01	0.01	0.02	0.05	0.08	0.08	0.09	0.13	0.020		
MAY	92	0.00	0.00	0.00	0.01	0.01	0.03	0.04	0.06	0.07	0.25	0.012		
JUNE	87	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.08	0.008		
JULY	50	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.08	a		
AUGUST	77	0.00	0.00	0.01	0.01	0.01	0.03	0.04	0.05	0.07	0.10	0.013		
SEPTEMBFR	81	0.00	0.01	0.01	0.02	0.03	0.06	0.12	0.12	0.15	0.31	0.026		
OCTOBER	68	0.00	0.02	0.02	0.03	0.05	0.10	0.14	0.18	0.25	0.35	0.048		
NOVEMBER	92	0.00	0.02	0.03	0.05	0.08	0.17	0.24	0.32	0.36	0.54	0.076		
DECEMBER	80	0.00	0.01	0.03	0.05	0.08	0.17	0.22	0.26	0.48	0.66	0.066		
YEAR	82	0.00	0.01	0.02	0.04	0.09	0.14	0.20	0.26	0.59	1.08	0.038		
PHILADELPHIA														
JANUARY	90	0.00	0.01	0.03	0.05	0.07	0.12	0.15	0.19	0.22	0.31	0.057		
FEBRILARY	89	0.00	0.02	0.04	0.06	0.08	0.19	0.27	0.46	0.70	0.92	0.089		
MARCH	93	0.00	0.01	0.03	0.04	0.06	0.12	0.17	0.24	0.33	0.85	0.058		
APRIL	91	0.00	0.01	0.03	0.04	0.06	0.10	0.12	0.14	0.16	0.28	0.049		
MAY	92	0.00	0.01	0.02	0.04	0.08	0.12	0.17	0.25	0.42	0.76	0.036		
JUNE	90	0.00	0.01	0.01	0.03	0.07	0.10	0.13	0.18	0.46	0.828	0.028		
JULY	65	0.00	0.00	0.01	0.01	0.02	0.05	0.06	0.08	0.10	0.28	0.018		
AUGUST	90	0.00	0.01	0.01	0.03	0.09	0.13	0.23	0.28	0.53	0.933	0.033		
SEPTEMBFR	91	0.00	0.01	0.02	0.03	0.05	0.10	0.14	0.20	0.24	0.58	0.048		
OCTOBER	83	0.00	0.01	0.02	0.04	0.08	0.20	0.36	0.57	0.73	1.15	0.088		
NOVEMBER	76	0.00	0.01	0.03	0.06	0.11	0.24	0.40	0.95	0.28	1.98	0.123		
DECEMBER	88	0.00	0.01	0.04	0.06	0.11	0.18	0.23	0.29	0.33	0.61	0.085		
YEAR	86	0.00	0.01	0.02	0.03	0.06	0.13	0.18	0.29	0.42	1.98	0.059		
ST. LOUIS														
JANUARY	91	0.00	0.00	0.01	0.03	0.04	0.09	0.11	0.15	0.17	0.28	0.037		
FEBRILARY	90	0.00	0.00	0.01	0.03	0.05	0.08	0.10	0.14	0.16	0.31	0.035		
MARCH	90	0.00	0.00	0.01	0.02	0.04	0.08	0.10	0.14	0.17	0.25	0.030		
APRIL	92	0.00	0.00	0.01	0.02	0.02	0.05	0.07	0.11	0.14	0.25	0.020		
MAY	89	0.00	0.00	0.01	0.01	0.01	0.04	0.07	0.09	0.11	0.22	0.014		
JUNE	83	0.00	0.00	0.00	0.00	0.01	0.05	0.07	0.10	0.13	0.21	0.013		
JULY	48	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.06	0.08	0.12	a		
AUGUST	43	0.00	0.00	0.01	0.02	0.03	0.06	0.09	0.11	0.16	0.36	a		
SEPTEMBFR	78	0.00	0.00	0.01	0.01	0.03	0.08	0.12	0.19	0.21	0.24	0.031		
OCTOBER	87	0.00	0.00	0.02	0.03	0.06	0.12	0.17	0.25	0.34	0.61	0.051		
NOVEMBER	87	0.00	0.00	0.02	0.03	0.06	0.12	0.17	0.25	0.34	0.61	0.051		
DECEMBER	58	0.00	0.01	0.02	0.04	0.07	0.17	0.23	0.31	0.34	0.45	0.067		
YEAR	78	0.00	0.00	0.01	0.02	0.04	0.08	0.12	0.17	0.22	0.61	0.032		
WASHINGTON														
JANUARY	82	0.00	0.01	0.02	0.03	0.05	0.09	0.13	0.15	0.22	0.51	0.043		
FEBRILARY	91	0.00	0.00	0.01	0.02	0.04	0.10	0.15	0.23	0.32	0.54	0.038		
MARCH	92	0.00	0.00	0.01	0.02	0.03	0.06	0.09	0.16	0.28	0.50	0.027		
APRIL	90	0.00	0.00	0.01	0.02	0.03	0.07	0.09	0.15	0.26	0.45	0.030		
MAY	94	0.00	0.00	0.00	0.01	0.02	0.06	0.10	0.18	0.23	0.36	0.023		
JUNE	92	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.10	0.16	0.41	0.014		
JULY	93	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.07	0.10	0.008		
AUGUST	87	0.00	0.00	0.00	0.01	0.01	0.03	0.05	0.07	0.09	0.14	0.012		
SEPTEMBFR	83	0.00	0.00	0.00	0.01	0.03	0.07	0.11	0.17	0.24	0.40	0.026		
OCTOBER	58	0.00	0.01	0.02	0.03	0.07	0.20	0.29	0.41	0.45	0.74	0.073		
NOVEMBER	91	0.00	0.01	0.02	0.04	0.08	0.22	0.34	0.53	0.59	1.15	0.087		
DECEMBER	71	0.00	0.01	0.02	0.04	0.07	0.16	0.23	0.33	0.47	0.72	0.071		
YEAR	85	0.00	0.00	0.01	0.02	0.03	0.08	0.14	0.25	0.35	1.15	0.036		

<sup>a</sup> Average not calculated because of insufficient or poorly distributed data.

**Table 74. NITROGEN DIOXIDE, FREQUENCY DISTRIBUTIONS**

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)									Max	Arith Mean		
		Frequency Distribution, percent												
		Min.	10	30	50	70	90	95	98	99				
CHICAGO														
JANUARY	78	0.00	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.15	0.034		
FEBR. A/PY	45	0.01	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.10	a		
MARCH	89	0.00	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.07	0.08	0.044		
APRIL	80	0.00	0.03	0.04	0.05	0.05	0.06	0.07	0.09	0.09	0.13	0.045		
MAY	72	0.00	0.03	0.04	0.05	0.06	0.07	0.08	0.10	0.11	0.21	0.050		
JUNE	79	0.00	0.04	0.05	0.07	0.08	0.11	0.12	0.13	0.14	0.18	0.070		
JULY	80	0.00	0.04	0.05	0.07	0.09	0.12	0.14	0.17	0.18	0.21	0.074		
AUGUST	74	0.00	0.05	0.06	0.07	0.09	0.13	0.15	0.17	0.19	0.26	0.082		
SEPTEMBER	87	0.00	0.04	0.05	0.06	0.09	0.12	0.13	0.15	0.17	0.35	0.073		
OCTOBER	65	0.00	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.15	0.058		
NOVEMBER	87	0.00	0.04	0.05	0.06	0.07	0.07	0.07	0.09	0.10	0.13	0.050		
DECEMBER	88	0.02	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.09	0.046		
YEAR	77	0.00	0.03	0.04	0.05	0.06	0.09	0.11	0.13	0.15	0.35	0.056		
CINCINNATI														
JANUARY	78	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	1.59	0.021		
FEBR. A/PY	89	0.00	0.02	0.03	0.03	0.03	0.04	0.05	0.06	0.06	0.08	0.031		
MARCH	72	0.05	0.02	0.03	0.04	0.04	0.06	0.07	0.07	0.08	0.30	0.037		
APRIL	61	0.00	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.038		
MAY	65	0.00	0.02	0.03	0.04	0.05	0.05	0.07	0.08	0.09	0.12	0.040		
JUNE	77	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.20	0.049		
JULY	71	0.00	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.12	0.16	0.037		
AUGUST	84	0.00	0.02	0.03	0.04	0.05	0.07	0.09	0.12	0.13	0.18	0.041		
SEPTEMBER	56	0.00	0.02	0.03	0.04	0.04	0.06	0.08	0.09	0.09	0.27	0.037		
OCTOBER	84	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.30	0.040		
NOVEMBER	77	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.08	0.09	0.20	0.035		
DECEMBER	86	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.08	0.029		
YEAR	75	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.10	1.59	0.036		
DENVER														
JANUARY	93	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.09	0.11	0.23	0.038		
FEBR. A/PY	93	0.00	0.03	0.03	0.04	0.05	0.06	0.07	0.10	0.12	0.16	0.042		
MARCH	85	0.00	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.08	0.11	0.031		
APRIL	88	0.00	0.02	0.02	0.03	0.03	0.05	0.05	0.06	0.07	0.11	0.030		
MAY	93	0.00	0.01	0.02	0.03	0.03	0.05	0.05	0.07	0.08	0.15	0.027		
JUNE	92	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.09	0.025		
JULY	91	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.024		
AUGUST	77	0.00	0.02	0.02	0.03	0.03	0.05	0.05	0.05	0.08	0.11	0.029		
SEPTEMBER	89	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.18	0.033		
OCTOBER	72	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.11	0.18	0.041		
NOVEMBER	91	0.01	0.02	0.03	0.04	0.05	0.07	0.10	0.13	0.15	0.30	0.043		
DECEMBER	95	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.10	0.12	0.35	0.041		
YEAR	87	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.09	0.10	0.35	0.038		
PHILADELPHIA														
JANUARY	89	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.13	0.025		
FEBR. A/PY	89	0.01	0.02	0.02	0.03	0.03	0.04	0.06	0.08	0.09	0.14	0.029		
MARCH	92	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.08	0.10	0.12	0.030		
APRIL	87	0.00	0.02	0.03	0.03	0.03	0.05	0.06	0.06	0.07	0.08	0.032		
MAY	91	0.00	0.02	0.03	0.04	0.05	0.06	0.08	0.11	0.12	0.18	0.041		
JUNE	92	0.00	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.11	0.14	0.046		
JULY	89	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.16	0.043		
AUGUST	91	0.00	0.02	0.03	0.04	0.05	0.06	0.09	0.10	0.14	0.21	0.053		
SEPTEMBER	89	0.00	0.02	0.03	0.03	0.04	0.07	0.07	0.09	0.12	0.29	0.037		
OCTOBER	83	0.00	0.01	0.03	0.04	0.05	0.07	0.09	0.12	0.14	0.19	0.042		
NOVEMBER	77	0.00	0.02	0.03	0.04	0.05	0.07	0.09	0.12	0.13	0.18	0.043		
DECEMBER	86	0.01	0.03	0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.18	0.039		
YEAR	38	0.00	0.02	0.03	0.03	0.04	0.07	0.08	0.10	0.11	0.29	0.038		
ST. LOUIS														
JANUARY	92	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.10	0.023		
FEBR. A/PY	91	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.07	0.026		
MARCH	90	0.00	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.12	0.033		
APRIL	89	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.10	0.029		
MAY	87	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.07	0.09	0.14	0.038		
JUNE	89	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.17	0.040		
JULY	70	0.00	0.02	0.03	0.04	0.05	0.07	0.07	0.09	0.09	0.13	0.040		
AUGUST	51	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.09	0.027		
SEPTEMBER	88	0.00	0.01	0.02	0.04	0.05	0.07	0.07	0.09	0.10	0.19	0.038		
OCTOBER	89	0.00	0.01	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.14	0.039		
NOVEMBER	91	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.21	0.041		
DECEMBER	61	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.13	0.030		
YEAR	82	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.21	0.034		
WASHINGTOW														
JANUARY	74	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.11	0.022		
FEBR. A/PY	0	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.10	0.031		
MARCH	87	0.00	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.13	0.039		
APRIL	90	0.00	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.19	0.036		
MAY	92	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.07	0.09	0.12	0.036		
JUNE	91	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.08	0.09	0.12	0.036		
JULY	88	0.00	0.02	0.02	0.03	0.04	0.06	0.07	0.08	0.08	0.11	0.035		
AUGUST	83	0.00	0.02	0.03	0.04	0.04	0.06	0.07	0.09	0.10	0.17	0.038		
SEPTEMBER	91	0.00	0.02	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.11	0.032		
OCTOBER	92	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.09	0.13	0.040		
NOVEMBER	68	0.00	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.07	0.15	0.034		
DECEMBER	1	0.01	0.03	0.03	0.03	0.04	0.04	0.06	0.07	0.05	0.05	a		
YEAR	72	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.08	0.09	0.19	0.035		

\* Average not calculated because of insufficient or poorly distributed data.

Table 75. SULFUR DIOXIDE, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)									Max	Arith Mean			
		Frequency Distribution, percent													
		Min	10	30	50	70	90	95	98	99					
CHICAGO															
JANUARY	59	0.00	0.01	0.06	0.14	0.25	0.42	0.51	0.57	0.62	0.88	0.181			
FEBR ARY	0	0.00	0.03	0.07	0.11	0.17	0.32	0.45	0.54	0.63	1.09	0.151			
MARCH	61	0.00	0.00	0.03	0.06	0.10	0.16	0.23	0.30	0.34	0.89	0.078			
APRIL	90	0.00	0.00	0.01	0.02	0.04	0.09	0.12	0.16	0.22	0.39	0.037			
MAY	92	0.00	0.00	0.01	0.02	0.04	0.09	0.12	0.16	0.20	0.44	0.024			
JUNE	76	0.00	0.00	0.00	0.01	0.02	0.07	0.11	0.16	0.20	0.43	0.011			
JULY	85	0.00	0.00	0.01	0.01	0.03	0.05	0.09	0.12	0.16	0.69	0.036			
AUGUST	75	0.00	0.00	0.01	0.02	0.04	0.08	0.12	0.19	0.27	0.68	0.033			
SEPTEMBER	85	0.00	0.00	0.00	0.01	0.02	0.10	0.17	0.24	0.33	1.06	0.089			
OCTOBER	77	0.00	0.01	0.01	0.03	0.09	0.26	0.35	0.50	0.61	1.11	0.131			
NOVEMBER	60	0.00	0.02	0.04	0.09	0.16	0.30	0.38	0.50	0.55	1.14	0.236			
DECEMBER	72	0.00	0.05	0.13	0.20	0.29	0.48	0.58	0.71	0.78	1.14	0.284			
YEAR	70	0.00	0.01	0.03	0.09	0.25	0.34	0.48	0.57	0.64	1.14	0.284			
CINCINNATI															
JANUARY	92	0.00	0.01	0.02	0.04	0.06	0.10	0.11	0.13	0.14	0.35	0.046			
FEBR ARY	90	0.00	0.00	0.02	0.04	0.07	0.09	0.13	0.18	0.22	0.43	0.032			
MARCH	64	0.00	0.01	0.01	0.02	0.04	0.06	0.09	0.13	0.19	1.28	0.032			
APRIL	61	0.00	0.00	0.01	0.02	0.04	0.06	0.10	0.13	0.19	0.32	0.021			
MAY	62	0.00	0.00	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.24	0.019			
JUNE	80	0.00	0.00	0.01	0.01	0.02	0.05	0.06	0.09	0.11	0.33	0.019			
JULY	98	0.00	0.00	0.01	0.02	0.02	0.14	0.06	0.10	0.12	0.34	0.021			
AUGUST	90	0.00	0.01	0.01	0.02	0.03	0.06	0.08	0.12	0.17	0.48	0.030			
SEPTEMBER	70	0.00	0.01	0.02	0.03	0.04	0.06	0.08	0.11	0.13	0.53	0.034			
OCTOBER	98	0.00	0.00	0.01	0.02	0.03	0.06	0.09	0.13	0.16	0.51	0.029			
NOVEMBER	94	0.00	0.01	0.02	0.03	0.04	0.09	0.13	0.19	0.24	0.63	0.040			
DECEMBER	99	0.00	0.01	0.02	0.03	0.04	0.09	0.14	0.24	0.31	0.55	0.042			
YEAR	82	0.00	0.00	0.01	0.02	0.03	0.07	0.09	0.13	0.18	1.86	0.031			
DENVER															
JANUARY	94	0.00	0.00	0.01	0.02	0.02	0.04	0.05	0.08	0.09	0.36	0.019			
FEBR ARY	98	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.22	0.61	0.010			
MARCH	96	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.33	0.009				
APRIL	98	0.00	0.01	0.01	0.01	0.03	0.04	0.05	0.06	0.17	0.014				
MAY	93	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.05	0.07	0.28	0.012			
JUNE	99	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.05	0.07	0.22	0.016			
JULY	96	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.07	0.09	0.23	0.016			
AUGUST	82	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.07	0.96	0.010			
SEPTEMBER	95	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.06	0.46	0.003			
OCTOBER	76	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.14	0.005			
NOVEMBER	94	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.05	0.21	0.009			
DECEMBER	86	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.15	0.007			
YEAR	92	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.07	0.09	0.96	0.011			
PHILADELPHIA															
JANUARY	70	0.00	0.02	0.04	0.05	0.08	0.16	0.22	0.34	0.40	0.64	0.074			
FEBR ARY	67	0.00	0.04	0.05	0.08	0.11	0.20	0.25	0.34	0.41	0.61	0.100			
MARCH	76	0.00	0.00	0.02	0.04	0.09	0.20	0.28	0.37	0.43	0.68	0.076			
APRIL	96	0.00	0.05	0.06	0.07	0.11	0.19	0.26	0.37	0.43	0.68	0.105			
MAY	97	0.00	0.01	0.03	0.05	0.09	0.19	0.26	0.34	0.41	0.58	0.020			
JUNE	75	0.00	0.01	0.04	0.08	0.15	0.29	0.36	0.46	0.51	0.78	0.120			
JULY	88	0.00	0.00	0.03	0.04	0.07	0.19	0.24	0.31	0.35	0.57	0.071			
AUGUST	97	0.00	0.02	0.03	0.05	0.08	0.17	0.24	0.32	0.39	0.75	0.076			
SEPTEMBER	82	0.00	0.02	0.03	0.04	0.06	0.13	0.18	0.25	0.35	0.59	0.061			
OCTOBER	91	0.00	0.03	0.05	0.08	0.12	0.21	0.27	0.36	0.42	0.79	0.102			
NOVEMBER	90	0.00	0.02	0.04	0.07	0.14	0.28	0.34	0.41	0.49	0.78	0.115			
DECEMBER	94	0.00	0.04	0.05	0.07	0.12	0.22	0.32	0.45	0.54	0.87	0.109			
YEAR	85	0.00	0.02	0.04	0.06	0.10	0.21	0.28	0.37	0.44	0.87	0.091			
ST. LOUIS															
JANUARY	97	0.00	0.00	0.01	0.02	0.04	0.10	0.15	0.23	0.26	0.47	0.040			
FEBR ARY	96	0.00	0.01	0.02	0.04	0.07	0.14	0.19	0.26	0.31	0.56	0.059			
MARCH	90	0.00	0.01	0.02	0.03	0.05	0.09	0.12	0.15	0.16	0.50	0.042			
APRIL	91	0.00	0.00	0.01	0.03	0.05	0.10	0.14	0.17	0.30	1.25	0.044			
MAY	85	0.00	0.01	0.03	0.05	0.08	0.13	0.15	0.16	0.18	0.59	0.041			
JUNE	70	0.00	0.01	0.02	0.03	0.05	0.10	0.13	0.15	0.17	0.92	0.044			
JULY	71	0.00	0.00	0.02	0.03	0.05	0.10	0.13	0.15	0.16	0.95	0.044			
AUGUST	6	0.00	0.02	0.04	0.06	0.08	0.13	0.15	0.16	0.17	a				
SEPTEMBER	0	0.00	0.00	0.00	0.01	0.02	0.04	0.08	0.17	0.26	0.47	0.042			
OCTOBER	76	0.00	0.00	0.00	0.01	0.04	0.09	0.13	0.17	0.26	0.96	0.034			
NOVEMBER	88	0.00	0.00	0.01	0.02	0.08	0.10	0.14	0.16	0.24	0.44	0.023			
DECEMBER	71	0.00	0.00	0.00	0.00	0.03	0.07	0.11	0.15	0.17	0.56	0.025			
YEAR	72	0.00	0.01	0.03	0.05	0.10	0.14	0.17	0.23	1.25	0.42				
WASHINGTON															
JANUARY	67	0.00	0.02	0.02	0.03	0.05	0.09	0.10	0.12	0.13	0.17	0.042			
FEBR ARY	94	0.00	0.03	0.06	0.08	0.11	0.17	0.22	0.28	0.33	0.47	0.06			
MARCH	97	0.00	0.02	0.03	0.04	0.06	0.10	0.13	0.16	0.18	0.29	0.053			
APRIL	74	0.00	0.02	0.03	0.04	0.06	0.10	0.12	0.14	0.24	0.39				
MAY	45	0.00	0.02	0.03	0.03	0.04	0.08	0.16	0.24	0.32	a				
JUNE	94	0.00	0.01	0.02	0.02	0.04	0.06	0.10	0.12	0.14	0.28	0.019			
JULY	71	0.00	0.01	0.02	0.02	0.04	0.06	0.10	0.12	0.16	0.21	0.019			
AUGUST	27	0.00	0.02	0.03	0.03	0.04	0.05	0.06	0.10	0.12	0.15	a			
SEPTEMBER	34	0.00	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.08	a			
OCTOBER	94	0.00	0.01	0.02	0.03	0.06	0.10	0.12	0.16	0.19	0.35	0.046			
NOVEMBER	90	0.00	0.01	0.02	0.02	0.03	0.09	0.12	0.17	0.20	0.31	0.048			
DECEMBER	34	0.00	0.00	0.01	0.01	0.03	0.05	0.09	0.10	0.20	0.44	a			
YEAR	69	0.00	0.01	0.02	0.03	0.05	0.09	0.12	0.17	0.21	0.47	0.044			

<sup>a</sup> Average not calculated because of insufficient or poorly distributed data.

Table 76. TOTAL HYDROCARBONS, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)									Max	Arith Mean		
		Frequency Distribution, percent												
		Min	10	30	50	70	90	95	98	99				
CHICAGO														
JANUARY	64	1.3	1.7	2.0	2.3	2.8	3.6	4.5	5.9	6.7	9.0	2.60		
FEBRILARY	10	1.6	1.7	2.1	2.4	2.8	3.5	3.9	4.5	4.6	4.9	a		
MARCH	80	1.1	1.5	1.9	2.2	2.6	3.3	3.7	4.1	4.6	11.0	2.34		
APRIL	77	0.5	1.5	2.0	2.3	2.7	3.6	4.2	4.9	5.6	9.7	2.46		
MAY	93	0.9	1.4	1.9	2.3	2.7	3.5	4.1	5.7	6.9	14.6	2.46		
JUNE	59	1.1	1.7	2.0	2.4	3.0	4.2	4.9	5.6	6.4	13.8	2.73		
JULY	10	0.0	1.9	2.5	2.8	3.3	4.5	5.9	6.6	6.9	14.9	a		
AUGUST	87	1.2	1.9	2.3	2.8	3.3	4.5	5.3	6.5	7.3	12.3	3.01		
SEPTEMPER	80	1.4	1.8	2.5	2.9	3.7	4.9	5.9	7.5	8.7	14.8	3.28		
OCTOBER	98	1.7	2.0	2.3	2.7	3.2	4.2	5.0	6.2	6.8	11.6	2.96		
NOVEMBER	95	1.8	2.2	2.5	2.8	3.2	4.0	4.4	5.0	5.7	13.2	2.99		
DECEMBER	94	1.6	2.0	2.4	2.7	3.1	3.8	4.3	4.9	5.4	13.4	2.85		
YEAR	73	0.0	1.7	2.2	2.6	3.0	4.0	5.7	5.8	6.6	14.9	2.78		
CINCINNATI														
JANUARY	50	0.4	1.7	1.9	2.0	2.1	3.2	4.8	6.5	7.7	10.5	2.32		
FEBRILARY														
MARCH	93	1.2	1.8	2.0	2.2	2.4	3.1	4.0	6.1	7.8	12.8	2.43		
APRIL	89	1.2	1.8	2.2	2.4	2.7	3.6	5.0	6.5	7.2	11.9	2.68		
MAY	97	1.9	2.1	2.3	2.4	2.7	3.9	4.9	5.9	6.6	8.6	2.78		
JUNE	97	1.6	2.1	2.3	2.6	3.2	4.5	5.0	5.6	6.0	7.6	2.97		
JULY	80	1.4	1.7	1.9	2.1	2.4	3.9	4.8	5.3	6.0	7.1	2.41		
AUGUST	88	1.6	1.9	2.2	2.5	3.3	4.7	5.2	6.0	6.5	8.8	2.96		
SEPTEMPER	0													
OCTOBER	0													
NOVEMBER	0													
DECEMBER	0													
YEAR	51	0.4	1.8	2.1	2.3	2.7	4.1	4.9	6.0	6.6	12.8	2.67		
DENVER														
JANUARY	94	1.2	1.6	2.1	2.6	3.6	5.4	6.5	8.4	10.5	19.1	3.16		
FEBRILARY	97	1.1	1.5	1.9	2.3	2.8	4.3	5.5	6.8	7.9	16.9	2.66		
MARCH	98	1.1	1.5	1.7	2.0	2.4	3.4	4.0	4.6	5.3	10.0	2.25		
APRIL	94	1.0	1.3	1.5	1.8	2.0	2.6	3.0	3.8	4.2	7.0	1.90		
MAY	96	1.0	1.4	1.6	1.8	2.1	2.7	3.1	3.7	4.2	6.9	1.97		
JUNE	97	0.5	1.4	1.7	1.9	2.3	3.0	3.5	4.2	4.6	8.0	2.10		
JULY	98	0.9	1.3	1.5	1.7	2.0	2.7	3.1	3.8	4.2	7.3	1.90		
AUGUST	81	1.2	1.5	1.7	2.0	2.2	3.0	3.6	4.3	4.8	7.3	2.13		
SEPTEMPER	85	1.2	1.6	1.9	2.2	2.7	3.8	4.6	5.7	6.9	12.2	2.50		
OCTOBER	68	1.1	1.7	2.0	2.4	2.9	4.4	5.4	7.0	8.6	14.3	2.79		
NOVEMBER	24	1.4	1.8	2.4	2.9	3.5	5.6	7.8	10.6	12.2	16.0	a		
DECEMBER	70	1.3	1.7	2.0	2.4	3.1	4.4	5.2	6.4	7.5	16.9	2.81		
YEAR	84	0.5	1.5	1.7	2.0	2.5	3.7	4.6	5.9	7.1	19.1	2.38		
PHILADELPHIA														
JANUARY	91	0.0	1.6	1.7	2.0	2.3	2.9	3.2	3.8	4.4	8.2	2.11		
FEBRILARY	56	0.0	1.8	2.2	2.4	2.7	3.7	5.4	6.6	8.6	11.4	2.71		
MARCH	90	0.0	1.3	1.7	2.0	2.3	3.0	3.6	4.2	4.5	8.8	2.12		
APRIL	73	1.4	1.9	2.2	2.4	2.8	3.4	3.9	4.9	5.5	9.9	2.58		
MAY	94	0.0	1.6	1.8	2.1	2.4	3.6	4.4	5.4	6.6	14.4	2.41		
JUNE	76	0.0	1.5	1.9	2.2	2.5	3.2	3.7	4.8	5.5	7.2	2.33		
JULY	88	1.4	1.8	2.0	2.2	2.4	2.9	3.2	3.6	3.9	5.1	2.25		
AUGUST	50	1.1	1.6	1.9	2.1	2.4	3.2	3.6	4.2	4.6	9.0	a		
SEPTEMPER	98	1.4	2.0	2.2	2.6	3.5	4.4	5.8	6.8	8.0	8.9	2.50		
OCTOBER	98	1.4	1.8	2.1	2.5	3.1	4.6	5.7	7.3	8.8	11.7	2.92		
NOVEMBER	91	1.6	1.9	2.2	2.5	3.1	4.1	4.7	5.7	6.8	14.1	2.82		
DECEMBER	98	1.6	1.8	2.0	2.3	2.7	3.6	4.2	5.1	5.7	14.2	2.54		
YEAR	84	0.0	1.7	2.0	2.2	2.6	3.5	4.2	5.3	6.3	14.4	2.46		
ST. LOUIS														
JANUARY	96	1.9	2.3	2.4	2.6	2.9	3.5	4.1	4.6	4.9	6.4	2.79		
FEBRILARY	98	2.1	2.6	2.8	3.2	3.6	5.3	5.7	7.0	7.7	8.7	3.51		
MARCH	85	1.5	2.0	2.4	2.6	3.0	4.0	4.5	5.1	5.4	7.1	2.84		
APRIL	34	1.6	1.9	2.2	2.4	2.8	3.5	4.0	5.4	6.2	8.0	a		
MAY	93	1.8	2.0	2.3	2.5	2.8	3.3	3.6	4.2	4.5	5.5	2.64		
JUNE	96	1.8	2.2	2.5	2.9	3.2	4.0	4.4	5.1	5.6	7.8	3.02		
JULY	73	0.7	2.2	3.0	3.5	4.6	5.2	5.5	5.8	6.2	8.2	3.20		
AUGUST	61	0.0	1.4	2.0	2.6	3.3	5.0	5.8	6.8	8.0	12.2	2.94		
SEPTEMPER	98	1.3	2.0	2.6	3.2	4.1	6.2	6.7	7.2	7.8	12.4	3.64		
OCTOBER	95	0.1	1.2	2.1	2.7	3.4	4.7	6.2	8.3	9.5	14.3	2.95		
NOVEMBER	83	1.4	2.1	2.6	3.1	3.5	4.1	4.8	6.4	8.0	13.0	3.19		
DECEMBER	58	1.2	1.6	2.0	2.3	2.7	3.8	4.1	4.3	4.5	6.5	2.50		
YEAR	81	0.0	2.0	2.4	2.8	3.3	4.4	5.3	6.4	7.2	14.3	3.02		
WASHINGTON														
JANUARY	60	0.2	1.1	1.8	2.1	2.3	2.7	3.1	3.7	4.2	14.5	2.04		
FEBRILARY	84	1.7	2.1	2.2	2.3	2.5	3.2	4.0	5.2	7.2	9.8	2.57		
MARCH	91	1.2	1.9	2.0	2.1	2.3	2.6	2.8	4.0	5.4	7.3	2.25		
APRIL	95	1.4	1.9	2.1	2.2	2.4	2.6	2.8	3.4	4.4	10.9	2.29		
MAY	97	0.0	1.5	1.7	1.9	2.0	2.4	2.8	3.8	5.6	9.0	2.00		
JUNE	97	1.1	1.7	2.0	2.2	2.4	2.8	3.2	4.1	5.5	12.1	2.27		
JULY	92	1.3	1.7	1.8	1.9	2.1	2.5	2.9	3.3	3.6	4.6	2.04		
AUGUST	90	1.3	1.8	2.0	2.1	2.3	2.8	3.2	3.7	4.1	11.1	2.25		
SEPTEMPER	92	1.6	1.9	2.0	2.2	2.4	2.9	3.5	4.4	5.2	8.1	2.35		
OCTOBER	85	1.8	2.0	2.2	2.3	2.5	3.4	4.7	6.7	7.1	8.4	2.62		
NOVEMBER	96	1.8	2.0	2.2	2.4	2.7	4.1	5.3	7.7	9.0	13.5	2.80		
DECEMBER	93	1.9	2.4	2.6	2.7	2.9	3.5	4.0	4.7	5.4	9.3	2.45		
YEAR	89	0.0	1.8	2.0	2.2	2.4	2.9	3.6	4.8	6.2	14.5	2.37		

<sup>a</sup> Average not calculated because of insufficient or poorly distributed data.

Table 77. TOTAL OXIDANT, FREQUENCY DISTRIBUTIONS

Period	Percent of Data Valid	Concentration, ppm (5 min. averaging time)										Max	Arith Mean		
		Frequency Distribution, percent													
		Min.	10	30	50	70	90	95	98	99	Max				
CHICAGO															
JANUARY	47	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.07	a			
FEBRILARY	37	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.05	0.06	0.10	a			
MARCH	69	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.11	0.017			
APRIL	42	0.00	0.00	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.10	a			
MAY	60	0.00	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.12	0.031			
JUNE	70	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.17	0.030			
JULY	82	0.00	0.00	0.01	0.02	0.03	0.06	0.07	0.10	0.12	0.23	0.027			
AUGUST	67	0.00	0.01	0.01	0.02	0.03	0.05	0.06	0.10	0.12	0.18	0.026			
SEPTEMBER	67	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.14	0.023			
OCTOBER	42	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.06	0.07	0.12	a			
NOVEMBER	69	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.08	0.010			
DECEMBER	41	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.09	a			
YEAR	58	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.23	0.020			
CINCINNATI															
JANUARY	47	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.07	0.09	0.12	a			
FEBRILARY	56	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.07	0.019			
MARCH	49	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.04	0.06	a			
APRIL	33	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	a			
MAY	46	0.00	0.01	0.02	0.02	0.03	0.05	0.05	0.06	0.06	0.08	a			
JUNE	49	0.00	0.01	0.02	0.03	0.04	0.07	0.08	0.09	0.10	0.13	a			
JULY	51	0.00	0.02	0.02	0.03	0.05	0.07	0.08	0.08	0.09	0.11	0.037			
AUGUST	25	0.00	0.00	0.01	0.01	0.02	0.05	0.05	0.06	0.06	0.08	a			
SEPTEMBER	40	0.00	0.01	0.01	0.01	0.02	0.04	0.05	0.06	0.06	0.10	a			
OCTOBER	75	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.08	0.022			
NOVEMBER	73	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.09	0.017			
DECEMBER	70	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.05	0.016			
YEAR	51	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.13	0.021			
DENVER															
JANUARY	86	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.15	0.012			
FEBRILARY	89	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.10	0.018			
MARCH	81	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.06	0.07	0.14	0.026			
APRIL	79	0.00	0.01	0.02	0.03	0.04	0.06	0.06	0.07	0.09	0.18	0.032			
MAY	92	0.00	0.01	0.02	0.03	0.05	0.07	0.08	0.10	0.11	0.22	0.039			
JUNE	76	0.00	0.02	0.03	0.03	0.05	0.07	0.08	0.10	0.12	0.19	0.039			
JULY	44	0.00	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.15	0.22	a			
AUGUST	76	0.00	0.01	0.03	0.04	0.06	0.08	0.10	0.12	0.14	0.20	0.045			
SEPTEMBER	77	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.09	0.12	0.15	0.30	0.036		
OCTOBER	60	0.00	0.01	0.01	0.02	0.04	0.06	0.08	0.12	0.16	0.23	0.030			
NOVEMBER	66	0.00	0.00	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.22	0.022			
DECEMBER	72	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.05	0.10	0.014			
YEAR	75	0.00	0.01	0.01	0.02	0.04	0.06	0.07	0.10	0.12	0.30	0.029			
PHILADELPHIA															
JANUARY	88	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.07	0.011			
FEBRILARY	80	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.08	0.10	0.26	0.016			
MARCH	89	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.08	0.19	0.026			
APRIL	81	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.08	0.021			
MAY	56	0.00	0.01	0.02	0.03	0.03	0.05	0.06	0.06	0.08	0.13	0.028			
JUNE	81	0.00	0.01	0.03	0.04	0.06	0.09	0.11	0.13	0.14	0.18	0.047			
JULY	61	0.00	0.02	0.03	0.05	0.08	0.12	0.13	0.15	0.16	0.22	0.058			
AUGUST	77	0.00	0.01	0.03	0.04	0.06	0.10	0.13	0.20	0.25	0.38	0.050			
SEPTEMBER	71	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.15	0.27	0.027			
OCTOBER	73	0.00	0.02	0.03	0.04	0.05	0.08	0.14	0.23	0.30	0.60	0.050			
NOVEMBER	72	0.00	0.02	0.03	0.04	0.05	0.07	0.14	0.20	0.27	0.60	0.031			
DECEMBER	84	0.00	0.01	0.02	0.02	0.03	0.05	0.07	0.08	0.09	0.16	0.028			
YEAR	76	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.60	0.032			
ST. LOUIS															
JANUARY	85	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.14	0.011			
FEBRILARY	82	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.06	0.05	0.10	0.016			
MARCH	82	0.00	0.02	0.03	0.03	0.04	0.07	0.08	0.09	0.09	0.13	0.037			
APRIL	82	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.17	0.060			
MAY	83	0.00	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.10	0.20	0.054			
JUNE	77	0.00	0.02	0.04	0.05	0.06	0.09	0.10	0.11	0.13	0.25	0.055			
JULY	45	0.00	0.02	0.03	0.05	0.07	0.10	0.11	0.12	0.14	0.17	a			
AUGUST	34	0.00	0.02	0.03	0.04	0.05	0.09	0.10	0.12	0.13	0.18	a			
SEPTEMBER	67	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.07	0.08	0.14	0.031			
OCTOBER	79	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.10	0.23	0.030			
NOVEMBER	83	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.13	0.21	a			
DECEMBER	36	0.00	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.10	0.10	0.034			
YEAR	70	0.00	0.01	0.02	0.03	0.05	0.07	0.08	0.10	0.11	0.25	0.036			
WASHINGTON															
JANUARY	78	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.14	0.007			
FEBRILARY	90	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.08	0.11	0.18	0.020			
MARCH	88	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.11	0.020			
APRIL	87	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.06	0.06	0.12	0.020			
MAY	92	0.00	0.01	0.02	0.03	0.04	0.08	0.09	0.10	0.11	0.16	0.031			
JUNE	74	0.00	0.02	0.02	0.03	0.05	0.08	0.09	0.10	0.11	0.13	0.039			
JULY	81	0.00	0.01	0.02	0.03	0.05	0.08	0.09	0.11	0.12	0.15	0.040			
AUGUST	84	0.00	0.01	0.02	0.04	0.05	0.08	0.10	0.12	0.13	0.17	0.042			
SEPTEMBER	77	0.00	0.01	0.02	0.03	0.04	0.07	0.09	0.11	0.12	0.16	0.034			
OCTOBER	55	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.11	0.11	0.017			
NOVEMBER	88	0.00	0.01	0.02	0.02	0.03	0.05	0.07	0.11	0.12	0.22	0.026			
DECEMBER	61	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.06	0.08	0.14	0.015			
YEAR	79	0.00	0.01	0.01	0.02	0.03	0.06	0.07	0.10	0.11	0.22	0.026			

\* Average not calculated because of insufficient or poorly distributed data.

Table 78. CARBON MONOXIDE, DAILY AVERAGES (ppm)

## CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	
1	15.9			11.9	14.6	17.7	13.9	3.4	16.0	11.7			
2	13.2			12.9	15.5	17.8	14.8	7.2	8.6	7.2			
3	15.5			12.0	18.9	14.2	8.0	6.5	5.6	9.2			
4	17.2			13.4	18.9	10.0	7.2	9.6	5.3	9.2			
5	25.6			10.1	6.4	8.8	10.8	10.3	6.4	13.2			
6	11.2			9.5	13.9	10.7	10.0	11.7	14.6	9.8			
7	11.2			11.2	19.2	16.2	11.3	8.0	16.9	7.7			
8	6.3			11.3	19.4	18.7	10.7	7.5	16.1	7.9			
9				17.1	21.2	20.9	9.3	10.7	16.8	5.8			
10				11.0	22.8	18.7	8.5	13.9	20.5	10.2			
11				14.4	22.6	13.7	7.1	7.9	16.5	11.1			
12				14.3	24.0	15.9	9.5	10.3	17.1	18.1			
13				13.9	23.8	13.3	13.6	6.6	16.2	12.7			
14				14.4	17.0	7.7	11.4	8.1	13.7	9.2			
15				15.1	12.8	12.6	10.8	6.8	11.3	7.5			
16				13.2		12.6	9.5	9.3	12.6	9.1			
17				16.7		13.5	7.9	6.5	13.8	12.3			
18				7.4		14.2	3.4	7.0	10.4	13.9			
19				12.0		10.3	0.1	10.2	13.1	17.6			
20						9.8	10.3	10.3	10.3	15.9			
21					15.7	12.1	5.8	12.4	15.8				
22				21.0	13.9	11.1	7.8	8.1	12.3	11.5			
23				32.5	10.0	11.1	8.2	11.5	15.3	12.4			
24				12.4	13.0	13.0	9.8	16.6	14.4	19.6			
25				17.8	15.1	9.6	6.9	17.5	11.5	22.2			
26				6.2	22.1	12.8	6.9	14.7	16.2	21.5			
27				4.5	11.5	15.1	7.2	6.9	14.5	15.1			
28				7.7	18.3	13.0	15.6	6.3	9.8	17.0			
29				6.6	17.2	11.0	15.5	9.0	9.3	18.6			
30				9.5	16.9	11.3	13.2	5.5	6.2	12.1	12.0		
31				7.6		15.1	-	6.1	11.8	999.9	13.1		
MONTHLY MEAN					14.8	16.0	13.4	9.2	9.2	13.0	12.9		

## CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1			5.5		2.5	1.7	5.3	7.7	5.0	8.0	5.9	4.0
2			4.9		3.5	6.0	5.9	9.3	5.5		4.9	2.7
3			4.7		3.8	5.3	7.7	5.7		4.0	3.3	
4			3.4		2.1	5.9	6.5	4.6	6.7		4.5	3.1
5					9.1	1.8	4.3	4.2	7.6		6.0	4.3
6					9.0	2.1	4.1	5.8	6.7	8.1		
7					5.6	1.6	3.5	6.7	6.6	6.9	8.3	
8					3.4	1.7	1.6	7.0	7.7	5.0	7.1	5.3
9					3.1	1.9	2.6	5.9	7.3	4.7	4.6	7.8
10					3.2	4.4	2.3	3.6	5.4		3.2	5.0
11			2.6		4.6	2.7	6.7	5.8	7.2	4.3	3.7	4.6
12			2.1		4.1	2.6	7.2	7.6	6.0	7.0	5.1	4.2
13			1.9		3.2	5.7	7.6	7.0	6.9	2.4	3.3	4.8
14			2.9		4.0	2.6	7.3	5.4	7.3	6.5	3.7	7.3
15			3.5		4.6	4.4	5.8	5.2	4.1	5.5	2.9	6.3
16					3.5	3.9	5.3	5.5	5.8	5.2	2.7	5.3
17					5.1	3.8	5.1	6.1	7.0	7.3	2.9	4.2
18					3.3	1.6	4.8	6.9	6.5	5.7	7.0	4.1
19					2.9	4.4	4.4	6.3	5.6	5.3	5.9	3.9
20					1.4	4.2	4.6	5.0	7.8	5.5	7.1	2.8
21					4.7	4.9	5.0	5.8	5.3	6.6	5.0	4.8
22					2.5	6.4	3.7	6.6	6.0	5.3	4.5	3.5
23					1.7		5.2	7.0	4.5	4.3	5.0	4.6
24					1.7		4.4	7.0	4.8	4.8	6.8	4.6
25					1.9	5.3	5.1	8.3	5.6	3.9	4.6	4.1
26					3.3	5.9	7.5	6.5	6.4	3.9	5.1	4.7
27					3.3	4.8	7.5	6.2	4.7	5.1	7.5	5.9
28					3.0	3.3	6.4	6.0	6.1	4.2	4.3	3.8
29					3.0	2.2	4.6	7.8	5.8	6.1	2.9	3.4
30					1.8	3.9	4.9	8.6	5.0	7.0	4.4	3.0
31					2.8		4.8		5.3	7.1		4.3
MONTHLY MEAN					3.9	3.4	5.0	6.6	6.2	5.7	4.9	4.0

Table 78 (continued). CARBON MONOXIDE, DAILY AVERAGES (ppm)

## DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	4.1	10.6	6.1	8.4	5.0	7.4	13.5	6.7		11.3		11.3
2	3.8	10.8	6.7	6.6	7.4	7.9	13.6	6.0	8.8	7.7		14.0
3	11.6	9.9	3.3	4.3	10.0	7.4	14.0	7.0	5.5	5.9		16.1
4	13.2	13.7	2.1	7.1	11.3	5.6		6.7	4.6	7.9		11.5
5	12.5	9.9	3.5	8.3	10.7	2.7		5.6	3.2	10.8		18.1
6	14.7	8.6	4.4	9.9	11.8	6.1		2.8	7.1	9.4		10.4
7	10.2	11.0	6.9	7.9	9.5	8.0		3.7	8.1	7.4		7.8
8	11.3	6.8	6.6	9.0	6.4	6.4		8.3	9.1	5.6		6.7
9	7.5	6.4	7.0	7.7	7.8	7.3		9.4	6.8	4.2		4.4
10	11.2	8.2	6.2	4.9	7.7	8.1		8.7	5.1	6.7		5.0
11	8.9	7.1	6.2	10.8	7.5	5.1			4.1	8.6	8.1	3.3
12	7.0	4.3	5.9		5.8	2.8			7.2	8.4	10.4	8.3
13	7.3	3.1	5.7	7.9	9.8	5.6				8.5	5.9	7.1
14	6.2	5.4	7.0	9.6	7.4	6.0	1.6	4.3	6.7	2.7	16.1	11.2
15	2.9	8.8	7.1	9.8	7.2	1.6	3.4	5.8	6.3	4.6	16.4	8.8
16	2.9	7.1	5.2	1.9.1	8.6					3.6	18.6	11.0
17	6.4	6.6	2.7	4.6		1.4					10.0	10.3
18	11.4	10.9	4.7	8.7	5.4	2.9	9.0				10.4	9.9
19	6.2	7.6	9.2	8.2	5.2	3.2	9.6	7.2	10.6		13.2	10.8
20	6.0	5.1	4.2	9.6	7.1	6.6	8.8	4.7	14.4		10.3	14.6
21	9.2	7.7	5.2	10.2	4.7	8.5	8.9	1.5			14.6	13.4
22	8.8	6.3	5.5	7.4	3.0	8.2	8.3	6.2	13.4		12.4	8.2
23	7.1	6.7	6.0	5.2	4.5	7.0	8.6	8.3	13.0		12.3	12.3
24	7.9	7.7	9.5	3.6	4.7	8.6	6.7		10.3		6.5	11.7
25	8.9	10.5	11.4	4.2	5.6	5.8	9.6		6.4		12.6	8.3
26	12.7	6.3	10.9	5.5	7.3	5.5			7.3		7.3	6.8
27	10.2	3.7	6.8	5.0	7.1	8.3			5.0		7.4	7.3
28	9.5	5.9	5.3	8.3	4.7	11.6	7.1		9.4		14.4	7.0
29	6.9	4.4	9.1	3.3	12.6	6.7			10.8		16.9	R.3
30	12.6		8.2	6.3	4.8	13.1	6.6		9.1		15.4	10.2
31	9.9											8.1
MONTHLY MEAN	8.6	7.8	6.1	7.2	7.0	6.7	8.1	6.1	8.2	6.9	11.6	9.7

## PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	6.5	7.0	2.7	6.9	7.9	4.4	4.3	6.4	8.9	10.4	6.5	7.5
2	5.5	8.0	6.0	6.3	5.9	5.4	4.6	6.6	9.5	12.7	6.8	6.8
3	6.3	8.1	10.7	6.1	8.0	5.5	5.5	7.0	6.5	12.1	10.0	4.3
4	5.8	7.6	8.2	7.6	6.3	5.8	4.4	7.0	5.6	8.2	12.1	5.6
5	7.0	5.9	5.1	6.5	7.7	5.6	2.5	7.6	4.9	9.5	12.3	6.9
6	6.4	6.1	4.6	6.9	6.2	5.8	2.2	8.4	5.8	9.4	11.3	6.8
7	5.9	8.7	5.9	5.7	5.1	4.3	6.3	6.0	9.6	10.6	6.2	
8	4.7	10.6	6.1	5.6	5.3	4.6	2.9	5.7	5.5	7.8	8.7	6.7
9	5.3	12.9	9.1	5.5	6.2	5.1	3.0	5.5	5.6	7.1	8.0	7.4
10	5.6	6.9	9.5	5.6	6.1	4.7	4.0	4.3	4.9	9.8	7.1	5.2
11	5.0	8.1	7.3	6.6	9.8	4.0	5.1	5.9	8.3	10.7	9.6	4.6
12	5.8	10.3	3.3	8.2	7.2	3.6	6.1	7.4	3.3	9.2	6.6	4.0
13	6.5	5.6	3.3	6.5	7.1	5.8	7.2	7.0	2.6	10.5	8.9	4.8
14	5.8	6.9	5.3	6.1	6.7	5.3	6.1	9.4	8.8	8.7	4.9	
15	5.9	6.6	5.2	6.1	6.9	5.7	4.4	10.8	7.4	8.4	6.5	5.4
16	4.7	6.8	7.0	6.7	6.2	5.9	3.6	7.9	9.0	6.1	8.4	6.2
17	4.8	5.3	7.8	6.6	4.7	4.9	3.8	8.3	9.7	5.7	8.0	6.7
18	4.8	6.2	7.2	7.1	5.2	4.9	5.1	9.5	11.4	6.7	5.7	6.0
19	5.5	5.1	5.6	5.5	6.5	3.2	5.8	9.3	9.5	9.0		5.0
20	5.6	4.7	6.0	5.5	7.7	3.2	5.4	8.6	7.5	6.0		6.9
21	6.2	5.3	6.7	6.6	7.8	3.5	6.4	9.1	9.4	8.6		4.5
22	5.8	4.8	8.6	6.8	5.7	4.7	7.8	8.3	9.7	9.0	1.3	6.2
23	4.3	5.5	7.0	5.6	6.2	4.3	7.8	7.9	10.0	10.3	5.9	5.4
24	4.8	7.2	6.2	6.4	5.2	4.7	7.2	8.7	9.3	11.1	9.1	2.6
25	5.7	6.6	6.2	6.1	6.8	3.9	7.9	9.9	9.6	12.4	9.9	2.1
26	6.5	4.6	6.2	5.0	6.5	2.7	8.4	9.9	9.6	14.7	6.1	2.7
27	6.5	3.9	5.9	4.5	5.0	4.2	6.9	9.6	10.9	12.9	6.1	3.8
28	7.3	4.	6.5	9.8	4.1	4.1	6.3	9.8	10.6	20.3	8.2	4.2
29	7.1	7.6	9.7	9.7	3.4	3.8	7.2	10.6	11.1	12.7	4.1	3.7
30	6.2		6.9	10.9	3.2	4.6	7.6	8.7	9.1	10.4		
31	6.3		6.6		3.8		6.2	8.4		10.1		3.8
MONTHLY MEAN	5.8	6.8	6.4	6.7	6.2	4.7	5.5	8.1	7.8	10.0	8.4	5.2

Table 78 (continued). CARBON MONOXIDE, DAILY AVERAGES (ppm)

## ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	1.9	10.4	6.7		3.1	6.1	7.6	7.5	7.3	1.5		9.4
2	1.3	10.4	6.4		5.3	6.1	4.4	5.1	6.9	1.6		8.6
3	5.6	9.3	8.8		4.6	5.4	3.8	4.9	3.8	3.0		9.9
4	8.3	10.9	5.9		4.5	4.5	4.3	4.8	2.9	2.1		7.3
5	7.7	10.8	4.7	1.5	4.8	3.4	6.5	5.7	3.5	2.8	4.2	10.6
6												
7	5.3	8.4	3.5	3.6	3.4	6.5	5.9	5.8	5.4	6.2	5.1	8.1
8	6.3	12.1	7.8	3.3	2.9	5.4	5.3	3.6	6.6	5.7	5.8	7.6
9	6.3	7.9	8.0	2.2	1.9	4.8	6.8	5.6	5.8	6.3	4.6	3.8
10	6.4	6.4	8.8	1.5	3.1	3.5	5.1	4.7	6.9	3.8	5.4	4.4
11	8.9	6.6	10.5	2.1	3.5	4.4	4.7	4.5	6.0	5.5	4.8	3.3
12												
13	11.2	4.4	10.8	2.6	4.4	4.2	7.0	4.3	5.4	6.8	4.5	3.5
14	10.5	5.3	7.6	4.0	3.8	4.2	7.4	5.2	5.8	6.3	3.6	6.1
15	8.0	2.3	7.2	3.5	4.3	4.3		3.0	6.1		4.9	7.8
16	10.7	3.6	7.6	4.4	4.0	4.2	7.5	1.7	4.7	4.2	12.4	8.6
17	5.9	5.5	7.7	7.1	3.3	5.0		2.7	4.0	2.0	7.3	9.5
18												
19	3.3	3.3	9.3	7.0	5.0	6.1		2.2	6.3	2.4	6.5	7.4
20	6.9	7.2	6.4	5.2	4.6	5.4		4.7	6.3	5.5	6.4	7.6
21	8.8	7.2	6.0	7.3	3.4	4.6		4.5	5.8	3.8	5.8	6.1
22	8.3	5.3	5.0	5.7	3.5	5.7		6.1	6.6	5.7	6.4	6.3
23	7.8	7.8	9.7	5.0	4.5	6.7						
24												
25	9.9	11.0		7.5	5.2	4.5		6.5	4.1	6.1	7.7	5.3
26												
27	9.2	2.1	4.0	5.3	4.3	3.9	5.1	5.4	7.1	7.6	6.8	5.3
28	7.2	2.1	4.2	5.5	4.7	5.5	5.3	5.5	7.3	5.2	6.4	
29	10.4	3.4	8.0	4.8	3.2	4.2	4.9	4.2	6.9	7.4	9.1	3.9
30	9.9	9.0	9.5	5.7	5.0	6.7	5.9	5.4	4.9	2.8	11.0	
31	12.0				4.3		5.6	7.1		5.8		
MONTHLY MEAN	7.8	6.6	7.6	4.6	3.8	4.8	5.4	4.5	5.6	4.8	6.8	6.8

## WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	2.7	5.3	2.4	4.5	1.2	2.7	2.6	2.5	4.7	2.8	6.0	
2	2.3	2.7	6.7	1.6	2.6	2.5	3.0	2.6	4.6	2.2	2.7	
3	3.3	4.6	4.7	3.0	2.3	2.2	2.0	1.8	3.7	3.2	6.2	
4	5.2	3.8	3.4	2.9	2.9	1.8	2.1	2.6	3.2	1.4	10.0	
5	6.5	3.9	2.1	2.3	2.9	1.3	2.5	3.2		3.1	5.2	
6												
7	2.8	4.4	2.1	2.0	1.9	1.6	3.7	3.6		3.8	4.8	
8	4.7	2.5	2.7	2.2	1.8	2.4	2.4	2.3	3.0	4.6	7.3	
9	1.9	6.1	2.4	1.5	1.4	2.8	2.2	2.3	3.2	2.6	5.7	
10	2.5	5.5	3.8	1.4	2.6	2.2	1.8	2.4	5.0	0.8	3.3	3.5
11	4.0	5.8	4.2	1.8	3.1	2.3	1.6	2.1	4.1	1.3	2.1	2.1
12												
13	2.9	9.9	3.8	1.9	3.0	2.7	1.7	2.2	3.6	4.0	1.9	1.7
14	6.7	2.1	1.9	2.4	2.6	2.8	1.8	2.0	2.9	6.5	2.0	2.7
15	4.2	3.0	1.4	1.7	2.4	2.8	1.5	2.7	3.5	3.1	5.8	4.2
16	4.4	4.1	1.2	2.2	2.5	3.6	1.7	2.5		1.6	4.4	4.5
17												
18	2.7	4.5	2.3	3.1	2.1	2.2	3.2	2.0	8.0	5.6	6.5	
19	3.0	5.0	2.8	2.8	2.1	1.5	1.8	1.8	6.9	2.9	3.3	6.7
20	3.9	6.3	2.9	2.3	1.6	1.2	2.0	3.3	6.7	3.9	4.9	4.6
21	3.7	3.6	2.2	1.4	2.6	1.1	2.1	3.0	3.6	4.2	1.6	3.6
22	4.1	4.0	2.1	1.2	2.6	2.1	1.7	2.1	2.3	4.5	3.9	4.6
23												
24	5.2	3.4	3.1	0.7	3.1	4.5	1.2	2.0	3.2	4.3	1.8	4.1
25	5.2	3.2	3.9	2.0	2.7	4.7	1.9	2.8	3.2	5.5	2.4	
26												
27	5.9	2.5	4.0	3.3	1.9	4.0	2.5	2.8	3.3	9.2		2.9
28	3.6	2.5	3.6	1.6	1.8	3.2	2.3	3.2	3.8	11.1		5.4
29	3.8	3.0	4.0	1.8	1.6	2.5	2.7	2.6	4.5	15.4		6.5
30	3.4	5.0	2.5	2.5	1.4	2.5	3.6	3.5	4.5	8.2		3.4
31	1.8	4.8	1.9	1.3	2.2	3.2	2.9	2.9	4.5			4.6
MONTHLY MEAN	3.7	4.3	3.2	2.3	2.3	2.6	2.2	2.5	4.0	4.7	4.5	4.1

Table 79. NITRIC OXIDE, DAILY AVERAGES (ppm)

## CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.132	0.173	0.111	0.103	0.074	0.090	0.062	0.042	0.094	0.105	0.205	0.079
2	0.062	0.123	0.143	0.104	0.062	0.117	0.056	0.067	0.071	0.057	0.173	0.103
3	0.117	0.193	0.192	0.104	0.083	0.063	0.055	0.062	0.062	0.026	0.125	0.157
4	0.127	0.111	0.067	0.134	0.083	0.333	0.034	0.086	0.100	0.034	0.201	0.098
5	0.299	0.130	0.113	0.080	0.070	0.020	0.054	0.033	0.109	0.109	0.179	
6	0.144	0.115	0.080	0.062	0.098	0.044	0.059	0.098	0.050		0.125	
7	0.149	0.155	0.120	0.116	0.059	0.104	0.082	0.052	0.065		0.114	0.195
8	0.116	0.111	0.110	0.117	0.086	0.121	0.062	0.068	0.061		0.161	0.105
9	0.110	0.112	0.094	0.093	0.038	0.038	0.067	0.074	0.108		0.182	
10	0.004										0.120	0.216
11	0.138		0.103		0.065	0.033	0.048	0.074	0.070	0.109	0.237	0.148
12	0.059	0.120	0.113		0.098	0.058	0.063	0.103	0.060	0.205	0.187	0.256
13	0.104	0.098	0.107		0.093	0.112	0.046	0.061	0.061	0.141	0.174	0.221
14	0.177	0.119	0.103		0.102	0.057	0.074	0.074	0.053	0.086	0.162	0.210
15	0.115	0.115							0.050	0.058		
16	0.105		0.117	0.124	0.111		0.043		0.144	0.066	0.138	0.121
17	0.122		0.063	0.089	0.109	0.099	0.039		0.090	0.099	0.102	0.156
18		0.045	0.042	0.099	0.074	0.016			0.047	0.106	0.146	0.113
19		0.083	0.044	0.036	0.065	0.056			0.066	0.152	0.262	0.103
20	0.210		0.132	0.052	0.059	0.063	0.079	0.083		0.156	0.115	0.127
21	0.085		0.122	0.076	0.050	0.063	0.049	0.086			0.164	0.166
22	0.133	0.211	0.155	0.089	0.057	0.367	0.071	0.051		0.082	0.198	
23	0.078	0.112	0.055	0.203	0.016	0.343	0.011	0.074	0.123	0.084	0.256	
24		0.097	0.049	0.134	0.091	0.072	0.018	0.083	0.113	0.061		
25	0.153	0.093	0.117	0.091	0.091		0.052	0.084	0.097	0.217	0.079	
26			0.142	0.121	0.096	0.090			0.161	0.344	0.142	
27		0.095	0.112	0.117	0.057	0.057	0.052	0.068	0.060	0.118	0.080	
28	0.154	0.137	0.077	0.067	0.052	0.043	0.056	0.083	0.143	0.092	0.061	
29	0.099	0.133	0.101	0.093	0.025	0.076	0.056	0.069	0.064	0.158	0.115	0.070
30	0.073					0.077	0.031	0.059	0.125	0.142	0.131	0.147
31	0.123		0.089				0.061	0.055		0.116		0.107
MONTHLY MEAN	0.126		0.107	0.107	0.076	0.070	0.055	0.070	0.084	0.125	0.143	0.148

## CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1		0.022	0.061		0.012		0.023			0.045	0.025	0.034
2		0.023	0.092	0.024	0.024		0.069			0.052	0.018	0.015
3	0.035	0.021	0.031	0.040	0.037	0.052	0.029			0.019	0.012	0.028
4	0.055	0.016	0.015	0.012	0.017	0.015	0.009			0.007	0.055	0.023
5	0.027	0.002	0.020	0.020	0.023	0.014	0.007			0.034	0.058	0.033
6	0.018	0.013	0.004	0.011		0.019	0.015			0.067	0.067	0.035
7	0.019	0.039		0.021		0.022	0.017			0.146	0.039	
8	0.001	0.034	0.027	0.038	0.006	0.030	0.040			0.095	0.038	
9	0.015	0.024	0.039	0.012	0.018	0.010	0.018			0.028	0.048	0.064
10		0.064	0.045	0.034	0.026	0.011	0.010			0.010		0.033
11		0.067	0.029		0.018		0.017			0.031	0.104	0.018
12		0.137	0.031		0.017		0.012			0.048	0.100	0.021
13		0.041	0.016		0.034	0.025	0.024			0.028	0.056	0.036
14		0.088	0.049		0.024	0.011	0.039			0.013	0.315	0.052
15		0.028	0.138		0.048	0.031	0.011			0.013	0.171	0.065
16		0.037		0.055	0.029	0.016	0.009			0.021	0.104	0.077
17	0.035	0.020		0.055	0.039	0.032	0.038		0.126	0.033	0.040	0.044
18	0.017	0.045		0.000	0.030	0.077	0.029		0.066	0.028	0.022	0.029
19	0.054	0.049	0.008	0.004		0.061			0.011	0.030	0.013	
20	0.015	0.022	0.008	0.008		0.058	0.006		0.025	0.084	0.013	
21		0.047	0.025	0.045			0.055	0.011		0.073	0.104	0.031
22		0.011	0.017	0.043			0.058	0.032	0.034	0.020	0.029	0.018
23		0.055	0.061	0.029			0.075		0.020	0.033	0.112	
24		0.024	0.026	0.027	0.038		0.063	0.049	0.084	0.365	0.035	0.025
25							0.052	0.024	0.069	0.092	0.025	0.026
26		0.004	0.022	0.017		0.033	0.042	0.068		0.095	0.063	0.080
27		0.016	0.021	0.037		0.009	0.028	0.075	0.044	0.271	0.015	0.173
28		0.011	0.017	0.037		0.019	0.013	0.071	0.055	0.129	0.017	0.019
29		0.015	0.019	0.018		0.058	0.004	0.097	0.031	0.055	0.017	0.018
30		0.011				0.030	0.029	0.079	0.025	0.065	0.044	0.070
31		0.033				0.030	0.029	0.079	0.053		0.037	
MONTHLY MEAN	0.030	0.037	0.035	0.023	0.024	0.038	0.022			0.073	0.062	0.044

Table 79 (continued). NITRIC OXIDE, DAILY AVERAGES (ppm)

## DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	0.035	0.054	0.041	0.025	0.017	0.009	0.007	0.012	0.011	0.041	0.038	0.044
2	0.026	0.091	0.052	0.011	0.020	0.009		0.010	0.018	0.019	0.049	0.089
3	0.096	0.069	0.021	0.010	0.018	0.006		0.014	0.020	0.031	0.089	0.104
4	0.112	0.088	0.070	0.026	0.016	0.005		0.006	0.012	0.019	0.056	0.037
5	0.093	0.066	0.028	0.019	0.010	0.001		0.006	0.014	0.011	0.057	0.124
6	0.099	0.069	0.038	0.031	0.013	0.002	0.009	0.011	0.026	0.053	0.046	0.033
7	0.051	0.081	0.052	0.027	0.011	0.011	0.010	0.006	0.007	0.024	0.045	0.066
8	0.046	0.043	0.047	0.036	0.013	0.020	0.012	0.017	0.033	0.032	0.051	0.035
9	0.044	0.025	0.040	0.026	0.027	0.020	0.008	0.016	0.018	0.032	0.055	0.040
10	0.125	0.047	0.040	0.009	0.022	0.016	0.005	0.015	0.010	0.055	0.101	0.080
11	0.073	0.050	0.034	0.018	0.017	0.005	0.007		0.005	0.063	0.069	0.090
12	0.057	0.049	0.027	0.018	0.020	0.003		0.029	0.044	0.070	0.083	
13	0.071	0.031	0.024	0.027	0.017	0.014		0.074	0.031	0.033	0.064	
14	0.055	0.041	0.018	0.009	0.013			0.011	0.024	0.041	0.128	0.056
15	0.031	0.117	0.026	0.019	0.017			0.012	0.037	0.034	0.108	0.082
16	0.041	0.058	0.012	0.022	0.008	0.021	0.000	0.014	0.053	0.030	0.123	0.102
17	0.097	0.043	0.008	0.014	0.010	0.014	0.001	0.019	0.049		0.058	0.063
18	0.125	0.067	0.022	0.022	0.011	0.004		0.014	0.018	0.085	0.051	
19	0.076	0.054	0.049	0.027	0.012	0.001		0.012		0.132	0.054	
20	0.071	0.021	0.017	0.027	0.021	0.008				0.091	0.084	
21	0.157	0.060	0.019	0.040	0.005	0.007		0.008	0.041		0.089	0.087
22	0.118	0.033	0.023	0.028	0.003	0.006		0.011	0.021		0.092	
23	0.121	0.047	0.025	0.016	0.005	0.006		0.019	0.031		0.095	
24	0.096	0.058	0.044	0.015	0.014	0.012		0.026	0.020	0.037	0.037	0.083
25	0.078	0.077	0.018	0.010	0.017	0.004		0.027	0.015	0.088	0.096	
MONTHLY MEAN	0.083	0.055	0.028	0.020	0.013	0.009	0.007	0.014	0.026	0.047	0.077	0.066

## PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.077	0.050	0.043	0.052	0.047	0.050	0.022	0.012	0.032	0.016	0.062	0.069
2	0.051	0.107	0.044	0.031	0.042	0.057	0.012	0.009	0.033	0.159	0.054	
3	0.045	0.077	0.254	0.023	0.089	0.022	0.034	0.037	0.020	0.187	0.036	0.028
4	0.045	0.082	0.191	0.046	0.043	0.016	0.008	0.076	0.004	0.045	0.032	0.079
5	0.184	0.037	0.112	0.023	0.115	0.028		0.028	0.014	0.047	0.039	0.129
6	0.079	0.035	0.023	0.034	0.026	0.029		0.073	0.015	0.037	0.025	0.140
7	0.046	0.148	0.043	0.077	0.012	0.025		0.013	0.046	0.051	0.058	0.068
8	0.025	0.212	0.048	0.028	0.014	0.014		0.015	0.042	0.059	0.021	0.107
9	0.027	0.386	0.080	0.026	0.030	0.024		0.030	0.059	0.037	0.124	
10	0.088	0.047	0.095	0.040	0.035	0.037		0.014	0.042	0.057		0.062
11	0.048	0.129	0.121	0.071	0.039	0.007		0.020	0.014	0.076	0.068	0.030
12	0.052	0.217	0.039	0.067	0.010	0.012		0.015	0.052	0.037	0.096	0.074
13	0.067	0.045	0.041	0.037	0.015	0.042		0.017	0.048	0.118	0.060	0.110
14	0.074	0.062	0.063	0.042	0.026	0.026		0.019	0.056	0.059	0.007	0.111
15	0.095	0.103	0.049	0.029	0.030	0.048		0.017	0.040	0.026	0.011	0.069
16	0.015	0.096	0.043	0.047	0.031	0.074	0.007	0.042	0.085	0.023	0.173	
17	0.041	0.042	0.059	0.034	0.031	0.029	0.012	0.034	0.082	0.046	0.088	0.191
18	0.053	0.023	0.088	0.024	0.048	0.048	0.019	0.077	0.113		0.107	0.126
19	0.040	0.055	0.016	0.059	0.035	0.015	0.020	0.022	0.055	0.037	0.049	
20	0.051	0.016	0.078	0.054	0.049	0.029		0.016	0.013	0.039	0.022	0.051
21	0.039	0.038	0.044	0.050	0.057	0.030	0.022	0.021	0.070	0.079	0.208	0.086
22	0.115	0.041	0.040	0.074	0.016	0.023	0.022	0.015	0.041	0.091	0.402	0.122
23	0.020	0.055	0.042	0.058	0.039	0.021	0.013	0.023	0.033	0.148	0.334	0.084
24	0.029	0.099	0.051	0.078	0.022	0.012	0.003	0.065	0.028	0.123	0.405	0.016
25	0.058	0.042	0.029	0.093	0.058	0.008	0.014	0.043	0.036	0.138	0.482	
26	0.042	0.028	0.030	0.047	0.038	0.010	0.039	0.031	0.060	0.133	0.107	0.028
27	0.071	0.037	0.015	0.053	0.025	0.034	0.013	0.035	0.114		0.108	0.089
28	0.075	0.108	0.076	0.036	0.025	0.028	0.025	0.032	0.066	0.347	0.029	0.135
29	0.039	0.034	0.049	0.022	0.016	0.033	0.013	0.043	0.201		0.039	
30	0.021	0.039	0.044	0.022	0.032	0.022		0.029		0.051		0.040
31	0.024		0.029		0.043			0.015	0.033		0.111	0.088
MONTHLY MEAN	0.056	0.090	0.059	0.050	0.036	0.028	0.019	0.034	0.048	0.088	0.126	0.086

Table 79 (continued). NITRIC OXIDE, DAILY AVERAGES (ppm)

## ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.024	0.039	0.045	0.008	0.013	0.039	0.019		0.044	0.028	0.017	0.039
2	0.013	0.036	0.030	0.026	0.026	0.033	0.002		0.030	0.020	0.008	
3	0.068	0.034	0.040	0.004	0.029	0.017	0.003		0.010	0.033	0.045	0.056
4	0.071	0.030	0.017	0.004	0.014	0.008	0.001		0.001	0.011	0.082	0.020
5	0.056	0.057	0.055	0.012	0.014	0.005	0.002	0.017		0.021	0.040	0.112
6	0.036	0.035	0.019	0.017	0.015	0.009	0.005	0.025		0.122	0.032	0.067
7	0.023	0.081	0.019	0.015	0.015	0.035	0.012	0.000		0.071	0.050	0.068
8	0.022	0.044	0.038	0.025	0.009	0.012	0.014	0.012		0.075	0.057	0.042
9	0.024	0.036	0.067	0.002	0.010	0.001	0.001	0.019		0.014	0.065	0.036
10	0.032	0.060	0.041	0.033	0.022	0.011	0.009	0.028	0.030	0.033		0.017
11	0.056	0.046	0.045	0.031	0.042	0.006		0.022	0.009	0.067	0.066	0.028
12	0.034	0.030	0.023	0.014	0.002			0.051	0.023	0.047	0.049	0.039
13	0.035	0.002	0.024	0.021	0.014	0.009		0.018	0.041	0.028	0.077	0.088
14	0.104	0.042	0.056	0.033	0.005	0.012		0.030	0.020	0.025	0.250	0.091
15	0.040	0.072	0.045	0.043	0.002	0.023			0.003	0.106		0.097
16	0.012	0.021	0.053	0.024	0.013	0.001			0.001	0.061		0.114
17	0.020	0.065	0.033	0.004	0.015	0.025		0.023	0.075	0.060	0.058	0.170
18	0.027	0.045	0.019	0.027	0.002			0.019	0.025	0.029	0.031	0.093
19	0.053	0.013	0.009	0.021	0.023	0.050		0.039	0.026	0.041	0.054	0.069
20	0.052	0.007	0.026	0.021	0.021	0.019			0.012	0.071	0.034	0.080
21	0.058	0.027	0.037	0.015	0.007	0.011			0.035	0.026	0.057	
22	0.021	0.022	0.026	0.023	0.003	0.014			0.010	0.027		
23	0.007	0.033	0.057	0.013	0.012	0.006			0.030	0.066	0.045	
24	0.045	0.040	0.012	0.018	0.008	0.007			0.053	0.113	0.017	
25	0.055	0.021	0.058	0.071	0.050	0.003			0.009	0.081	0.036	
26	0.061	0.014	0.006	0.021	0.077	0.000	0.015		0.038	0.118	0.035	
27	0.026	0.007	0.011	0.028	0.008	0.013	0.008		0.027	0.078	0.003	
28	0.023	0.026	0.054	0.009	0.008	0.005	0.001		0.069	0.088	0.007	0.028
29	0.001	0.010	0.035	0.024	0.000	0.001	0.009		0.024	0.023	0.017	0.039
30			0.016	0.012	0.001	0.005	0.003		0.050	0.015	0.054	
31	0.054		0.030		0.007		0.001	0.085		0.034		
MONTHLY MEAN	0.017	0.035	0.031	0.021	0.015	0.013	0.007		0.032	0.046	0.051	0.067

## WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.033		0.016	0.038	0.039	0.023	0.010	0.005	0.017	0.031	0.040	0.066
2	0.045	0.010	0.102	0.010	0.027	0.025	0.011	0.008	0.015	0.040	0.025	0.029
3	0.063	0.019	0.067	0.036	0.044	0.018	0.005	0.003	0.009	0.153	0.029	
4	0.061	0.015	0.024	0.038	0.031	0.012	0.005	0.031	0.016	0.024	0.048	0.003
5	0.124	0.022	0.005	0.022	0.070	0.009	0.008		0.006	0.024	0.043	
6	0.053	0.034	0.003	0.031	0.011	0.027	0.001	0.015		0.028		0.107
7	0.046	0.019	0.037	0.001	0.021	0.010	0.005	0.009		0.095	0.092	
8	0.025	0.092	0.122	0.019	0.012	0.006	0.032	0.005	0.001	0.036	0.028	
9	0.048	0.088	0.035	0.028	0.008	0.019	0.022	0.003	0.022	0.041	0.028	0.038
10			0.017	0.083	0.041	0.045	0.020	0.023	0.004	0.016	0.028	0.026
11	0.159	0.029	0.019	0.046	0.003	0.010	0.014	0.021		0.044	0.023	
12	0.043	0.080	0.005	0.029	0.014	0.003	0.008	0.016	0.011	0.053	0.048	
13	0.067	0.009	0.005	0.038	0.019	0.008	0.006	0.011	0.009	0.041		
14	0.044	0.029	0.015	0.071	0.029	0.016	0.004	0.008	0.012	0.088		0.074
15	0.084	0.028	0.017	0.083	0.041	0.045	0.020	0.023	0.004			
16	0.016	0.030	0.028	0.027	0.015	0.053	0.010	0.019	0.061		0.140	
17	0.035	0.022	0.034	0.026	0.011	0.012	0.005	0.012	0.099		0.064	
18	0.027	0.070	0.028	0.019	0.006	0.008	0.008	0.020		0.064	0.081	0.076
19	0.030	0.036	0.016	0.011	0.018	0.005	0.009	0.010	0.006	0.053	0.019	0.058
20	0.033	0.003	0.019	0.011	0.019	0.011	0.009	0.006	0.002	0.039	0.049	0.095
21	0.086	0.013	0.031	0.022	0.022	0.029	0.008	0.001	0.011	0.085	0.117	0.078
22	0.073	0.011	0.056	0.044	0.018	0.018	0.004	0.007	0.024	0.204	0.163	
23	0.006	0.016	0.019	0.031	0.090	0.007	0.003	0.012	0.011	0.045	0.144	0.052
24	0.023	0.028	0.045	0.019	0.010	0.005	0.003	0.012	0.034	0.054	0.327	0.029
25	0.030	0.026	0.022	0.018	0.013	0.004	0.011	0.020	0.042	0.074	0.199	0.019
26	0.042	0.010	0.041	0.050	0.016	0.001	0.009	0.012	0.034	0.128	0.087	0.025
27	0.031	0.011	0.008	0.014	0.024	0.005	0.007	0.013	0.059	0.164	0.105	0.112
28	0.026	0.033	0.013	0.014	0.021	0.007	0.010	0.011	0.071	0.233	0.019	0.223
29	0.018	0.002	0.035	0.050	0.007	0.009	0.012	0.031	0.031	0.099	0.026	0.062
30			0.052	0.063	0.007	0.009	0.024	0.008	0.042	0.044		0.075
31	0.000		0.026		0.023		0.011	0.011	0.015		0.052	
MONTHLY MEAN	0.043	0.039	0.028	0.030	0.024	0.015	0.009	0.012	0.026	0.076	0.089	0.072

Table 80. NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

## CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.033	0.039	0.040	0.040	0.032	0.053	0.101	0.092	0.151	0.048	0.045	0.046
2	0.027	0.040	0.054	0.041	0.028	0.097	0.116	0.055	0.088	0.053	0.052	0.046
3	0.033	0.051	0.045	0.042	0.057	0.090	0.060	0.060	0.075	0.062	0.052	0.052
4	0.036	0.037	0.033	0.045	0.063	0.073	0.046	0.119	0.051	0.041	0.054	0.051
5	0.061	0.044	0.038	0.041	0.059	0.053	0.042	0.133	0.046	0.034	0.055	0.055
6	0.029	0.044	0.032	0.034	0.055	0.074	0.144			0.058	0.055	0.046
7	0.027	0.061	0.045	0.048	0.051	0.090	0.063	0.108	0.053		0.043	0.045
8	0.032		0.048	0.046	0.058	0.054	0.075	0.074	0.080		0.049	0.041
9	0.025		0.046	0.048	0.035	0.041	0.068	0.070	0.095		0.035	0.045
10	0.027		0.058	0.047	0.044	0.044	0.069	0.072	0.123			
11	0.030		0.058	0.046	0.044	0.061	0.061	0.080	0.107	0.061	0.055	0.048
12	0.029		0.037	0.044	0.039	0.067	0.066	0.062	0.088	0.081	0.046	0.053
13	0.037		0.033	0.045	0.036	0.064	0.084	0.072	0.108	0.073	0.058	0.043
14	0.038		0.038	0.051	0.046	0.046	0.052	0.060	0.053	0.033	0.046	0.046
15	0.031		0.052	0.052	0.056		0.048		0.042	0.040	0.061	0.055
16	0.037		0.044	0.059	0.055	0.055			0.081	0.047	0.075	0.040
17	0.040		0.058	0.058	0.059	0.065			0.104		0.043	0.043
18	0.044		0.033	0.062	0.050	0.105	0.078		0.094	0.054	0.047	0.045
19	0.045		0.035	0.034	0.038	0.072	0.050	0.055	0.085	0.055	0.070	0.041
20	0.039		0.044	0.016	0.045	0.071	0.043	0.066	0.046	0.074	0.041	0.037
21	0.026										0.056	0.041
22	0.028	0.043	0.041	0.059	0.060	0.090	0.095	0.050	0.054		0.057	0.049
23	0.032		0.042	0.051	0.046	0.078	0.129	0.049	0.052		0.050	0.051
24		0.036	0.041	0.049	0.047	0.091	0.120	0.059	0.051		0.049	0.050
25			0.041	0.049	0.068	0.092	0.083	0.047	0.073		0.040	0.044
26												
27			0.035	0.046	0.044	0.101		0.073	0.084	0.069	0.093	0.046
28			0.036	0.042	0.034		0.074	0.047	0.085	0.066	0.035	0.061
29			0.033	0.049	0.041		0.077	0.055	0.079	0.060	0.068	0.042
30			0.018	0.053	0.046		0.080	0.166	0.099	0.042	0.049	0.049
31			0.033	0.043	0.039			0.102	0.132	0.049		0.049
MONTHLY MEAN	0.034		0.044	0.048	0.051	0.071	0.075	0.083	0.074	0.059	0.050	0.047

## CINCINNATI (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT	NOV	DEC
1	0.010	0.034	0.027		0.032	0.041	0.043	0.054		0.028		0.028
2	0.010	0.028	0.039	0.028	0.038	0.044	0.058	0.038		0.008		0.028
3	0.014	0.026	0.036	0.035	0.045	0.059	0.042	0.021		0.042	0.023	0.035
4	0.017	0.026	0.027	0.027	0.038	0.047		0.047		0.025	0.045	0.035
5	0.019	0.030	0.031	0.041	0.039	0.037		0.067		0.028		0.029
6	0.019	0.029	0.024	0.041		0.040	0.030	0.069		0.047		0.026
7	0.014	0.039	0.035	0.039		0.042	0.034	0.040		0.050		0.025
8	0.007	0.042	0.037	0.043	0.033	0.057	0.040	0.030	0.022	0.048	0.031	0.025
9	0.017	0.041	0.048	0.036	0.032	0.036	0.041	0.043	0.048	0.034	0.032	0.019
10	0.017	0.037	0.060	0.043		0.031	0.031	0.034	0.051	0.023	0.019	0.019
11	0.020	0.033	0.056	0.049		0.037	0.035	0.038	0.041	0.020	0.027	0.022
12	0.021	0.040	0.054	0.037		0.049	0.030	0.044		0.039	0.039	0.024
13	0.028	0.035	0.029		0.035	0.047	0.042	0.034		0.051	0.040	0.024
14	0.026	0.028	0.025		0.032	0.039	0.045	0.021		0.032	0.074	0.026
15	0.032	0.028	0.030		0.044	0.042	0.037	0.027		0.021	0.057	0.027
16	0.023	0.028	0.021		0.047	0.040	0.034	0.026	0.026	0.018	0.050	0.034
17		0.027		0.054	0.039	0.037	0.045	0.046	0.044	0.030	0.047	0.041
18		0.036		0.050	0.042	0.044	0.062	0.040	0.033	0.034	0.032	0.028
19	0.032	0.024	0.030	0.036		0.056	0.013	0.044	0.023	0.031	0.028	0.030
20	0.031	0.025	0.028	0.035		0.067	0.019	0.025	0.036	0.036	0.034	0.029
21					0.065	0.067	0.067	0.021	0.039	0.048	0.047	0.025
22		0.028	0.032	0.042		0.065	0.061	0.041	0.030	0.032	0.043	0.025
23		0.019	0.023			0.065	0.069	0.034	0.037	0.048	0.039	0.027
24		0.032	0.029		0.036	0.023	0.060		0.038	0.045	0.042	0.034
25		0.032	0.034	0.038		0.032	0.070	0.044	0.036	0.055	0.034	0.029
26					0.056	0.060	0.042	0.047		0.053	0.031	0.035
27					0.055	0.051	0.043	0.029		0.087	0.021	0.052
28					0.054	0.041	0.049	0.048		0.090	0.013	0.032
29					0.039	0.031	0.025	0.025	0.036	0.053	0.016	0.026
30					0.032	0.039	0.051	0.024	0.079	0.025	0.050	0.034
31						0.046	0.040	0.082		0.025		0.035
MONTHLY MEAN	0.021	0.032	0.037	0.038	0.040	0.049	0.038	0.042	0.036	0.041	0.035	0.029

Table 80 (continued). NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.023	0.042	0.034	0.031	0.027	0.025	0.022	0.032	0.037	0.048	0.040	0.009
2	0.027	0.047	0.033	0.023	0.030	0.032	0.017	0.031	0.034	0.026	0.044	0.037
3	0.046	0.041	0.071	0.019	0.041	0.030	0.019	0.037	0.029	0.028	0.053	0.047
4	0.035	0.069	0.028	0.026	0.035	0.022	0.018	0.029	0.026	0.038	0.028	0.041
5	0.049	0.053	0.033	0.033	0.036	0.014	0.029	0.031	0.022	0.071	0.068	0.078
6	0.036	0.050	0.037	0.037	0.037	0.022	0.025	0.030	0.037	0.049	0.041	0.041
7	0.027	0.061	0.037	0.024	0.035	0.025	0.020	0.020	0.039	0.045	0.047	0.040
8	0.037	0.033	0.034	0.035	0.026	0.023	0.027	0.019	0.041	0.037	0.023	0.033
9	0.028	0.030	0.034	0.041	0.030	0.030	0.014	0.023	0.034	0.033	0.044	0.036
10	0.043	0.040	0.035	0.029	0.027	0.028	0.022	0.023	0.024	0.041	0.071	0.058
11	0.044	0.042	0.033	0.031	0.023	0.024	0.029		0.019	0.042	0.034	0.037
12	0.035	0.042	0.032	0.030	0.029	0.016	0.025		0.035	0.043	0.036	0.044
13	0.017	0.030	0.031	0.034	0.033	0.030	0.027		0.038	0.026	0.035	0.037
14	0.036	0.039	0.031	0.037	0.027	0.027	0.023	0.018	0.025	0.027	0.076	0.041
15	0.025	0.051		0.038	0.033	0.023	0.026	0.024	0.026	0.058	0.042	0.032
16	0.023	0.049	0.026	0.037	0.023	0.028	0.018	0.035	0.047	0.038	0.054	0.043
17	0.038	0.039	0.016	0.022	0.023	0.025	0.017	0.035	0.041		0.037	0.046
18	0.076	0.041		0.020	0.016	0.026	0.028		0.032		0.038	0.037
19	0.031	0.045	0.042	0.028	0.024	0.019	0.029		0.044		0.059	0.036
20	0.021	0.035	0.027	0.037	0.029	0.029	0.031	0.051			0.043	0.044
21	0.040	0.036	0.027	0.050	0.021	0.031	0.031	0.021			0.046	0.045
22	0.040	0.041	0.025	0.035	0.014	0.025	0.023	0.029	0.039		0.045	
23	0.044	0.043	0.030	0.024	0.012	0.023	0.030	0.027	0.044		0.039	
24	0.037	0.038	0.040	0.026	0.032	0.029	0.025	0.039	0.025	0.035	0.031	
25	0.036	0.049	0.034	0.022	0.039	0.016	0.033	0.044	0.023	0.048	0.036	0.038
26	0.047	0.041	0.033	0.020	0.038	0.021	0.032	0.032	0.025	0.042	0.030	0.034
27	0.044	0.033	0.026	0.018	0.037	0.029	0.029	0.030	0.033	0.049	0.035	0.026
28	0.043	0.037	0.029	0.031	0.021	0.023	0.028	0.029	0.036	0.047	0.059	0.035
29	0.055		0.037	0.027	0.016	0.030	0.021	0.063	0.028	0.050	0.045	0.055
30	0.047		0.038	0.037	0.014	0.029	0.022	0.031	0.031	0.032	0.035	0.053
31	0.042		0.033		0.026		0.019			0.035		0.037
MONTHLY MEAN	0.039	0.042	0.031	0.030	0.028	0.025	0.024	0.030	0.033	0.041	0.044	0.041

PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.031	0.026	0.024	0.031	0.031	0.041	0.053	0.049	0.066	0.018	0.049	0.034
2	0.022	0.032	0.022	0.033	0.027	0.035	0.046	0.049	0.064	0.032	0.032	0.032
3	0.029	0.027	0.057	0.029	0.046	0.052	0.040	0.035	0.048	0.060	0.024	0.029
4	0.032	0.026	0.029	0.030	0.029	0.057	0.027	0.063	0.029	0.045	0.027	0.035
5	0.049	0.020	0.025	0.031	0.044	0.072	0.057	0.073	0.034	0.028	0.022	0.045
6	0.027	0.021	0.022	0.037	0.048	0.051	0.066	0.076	0.043	0.022	0.019	0.044
7	0.027	0.030	0.021	0.041	0.031	0.048	0.068	0.065	0.046	0.040	0.037	0.039
8	0.020	0.044	0.021	0.020	0.040	0.053	0.049	0.046	0.034	0.052	0.035	0.047
9	0.021	0.075	0.031	0.021	0.034	0.033	0.036	0.038	0.037	0.052	0.038	0.047
10	0.029	0.027	0.047	0.025	0.031	0.030	0.047	0.043	0.049	0.022	0.022	0.034
11	0.017	0.024	0.048	0.037	0.042	0.024	0.030	0.034	0.035	0.050	0.010	0.024
12	0.016	0.035	0.031	0.027	0.034	0.026	0.040	0.038	0.037	0.036		0.037
13	0.030	0.022	0.028	0.026	0.036	0.041	0.038	0.044	0.034	0.038		0.038
14	0.014	0.026	0.031	0.027	0.044	0.051	0.046	0.062	0.035	0.022	0.038	0.032
15	0.028	0.025	0.028	0.036	0.044	0.052	0.040	0.066	0.018	0.024		0.032
16	0.021	0.022	0.026	0.040	0.037	0.061	0.026	0.052	0.032	0.014	0.037	0.049
17	0.027	0.014	0.033	0.049	0.047	0.058	0.027	0.049	0.050	0.017	0.061	0.065
18	0.026		0.034	0.061	0.032	0.052	0.052	0.075	0.081	0.008	0.066	0.050
19	0.026	0.028	0.034	0.035	0.038	0.052	0.047	0.079	0.065	0.027	0.037	0.044
20	0.022	0.019	0.023	0.025	0.063	0.054	0.049	0.043	0.032		0.035	0.044
21	0.025	0.024	0.031	0.038	0.067	0.045	0.040	0.045	0.027		0.052	0.039
22	0.028	0.023	0.047	0.039	0.032	0.043	0.064	0.044	0.035		0.068	0.050
23	0.020	0.034	0.033	0.037	0.062	0.053	0.061	0.048	0.026	0.062	0.088	0.045
24	0.018	0.040	0.027	0.041	0.042	0.042	0.036	0.044	0.019	0.045	0.083	0.031
25	0.024	0.031	0.021	0.031	0.069	0.029	0.039	0.048	0.026	0.056	0.094	0.026
26	0.029	0.030	0.025	0.028	0.044	0.030	0.045	0.062	0.018	0.071	0.045	0.032
27	0.024	0.043	0.024	0.021	0.034	0.053	0.045	0.054	0.024	0.064	0.044	0.043
28	0.026	0.032	0.024	0.027	0.041	0.064	0.055	0.048	0.033	0.099	0.030	0.046
29	0.024	0.021	0.036	0.026	0.024	0.046	0.047	0.072	0.034	0.065	0.033	0.034
30	0.024			0.024	0.046		0.043	0.062		0.028	0.024	0.048
31	0.024			0.024	0.046		0.043	0.062		0.045		0.048
MONTHLY MEAN	0.026	0.030	0.031	0.032	0.041	0.047	0.043	0.054	0.038	0.043	0.044	0.040

Table 80 (continued). NITROGEN DIOXIDE, DAILY AVERAGES (ppm)

## ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	
1	0.021	0.020	0.029	0.019	0.033	0.075	0.068		0.045	0.017	0.020	0.026	
2	0.016	0.034	0.031	0.019	0.055	0.068	0.036		0.049	0.015	0.021	0.029	
3	0.028	0.037	0.026		0.049	0.051	0.030		0.027	0.033	0.036	0.027	
4	0.022	0.031		0.012	0.036	0.036	0.024		0.020	0.018	0.042	0.026	
5	0.026	0.030	0.019	0.021	0.051	0.025	0.043	0.041	0.025	0.022	0.042	0.033	
6	0.013	0.043	0.016	0.027	0.054	0.028	0.031	0.053	0.024	0.040	0.029	0.036	
7	0.015	0.034	0.025	0.027	0.048	0.049	0.037	0.033	0.030	0.040	0.049	0.034	
8	0.014	0.022	0.031	0.021	0.031	0.038	0.052	0.037	0.050	0.046	0.044	0.027	
9	0.020	0.027	0.034	0.021	0.029	0.030	0.026		0.027	0.037	0.027	0.024	
10	0.029	0.028	0.042	0.032	0.036	0.044	0.027	0.024	0.067	0.033	0.029	0.025	
11	0.027	0.020	0.040	0.024	0.036	0.040	0.032	0.029	0.063	0.047	0.038		
12	0.023	0.014	0.032	0.019	0.032	0.029	0.035	0.036	0.061	0.058	0.030	0.029	
13	0.025	0.015	0.026	0.034	0.027	0.039	0.028	0.017	0.076	0.040	0.055	0.027	
14	0.034	0.023	0.045	0.040	0.032	0.036		0.008	0.046	0.020	0.104	0.023	
15	0.021	0.029	0.050	0.042		0.032		0.020	0.024	0.017	0.080	0.033	
16	0.017	0.024	0.053	0.036	0.045	0.021		0.013	0.045	0.016	0.077	0.042	
17	0.023	0.027	0.039	0.031	0.035	0.042		0.011	0.049	0.045	0.071	0.046	
18	0.029	0.035	0.027	0.039	0.025	0.038		0.010	0.056	0.036	0.039	0.044	
19	0.028	0.020	0.024	0.034	0.035	0.054		0.014	0.037	0.033	0.034	0.040	
20	0.027	0.021	0.033	0.028	0.043	0.045		0.037	0.041	0.044			
21	0.022	0.025	0.045	0.028	0.037	0.039	0.046		0.034	0.042	0.049		
22	0.016	0.028	0.037	0.034	0.029	0.065	0.056		0.035	0.037	0.035		
23	0.021	0.029	0.021	0.020	0.038	0.050	0.056		0.035	0.045	0.039		
24	0.025	0.024	0.023	0.022	0.030	0.039	0.027		0.037	0.056	0.049		
25	0.029	0.022	0.044		0.049	0.054	0.050		0.016	0.053	0.033		
26	0.036	0.024	0.025	0.038	0.055	0.034	0.055		0.012	0.072	0.026		
27	0.030	0.023	0.031	0.040	0.047	0.036	0.044		0.020	0.070	0.016		
28	0.023	0.021	0.054	0.076	0.039	0.023	0.041		0.046	0.086	0.021	0.014	
29	0.017		0.038	0.037	0.026	0.031	0.039		0.028	0.029	0.030	0.025	
30	0.020		0.032	0.032	0.025	0.043	0.036	0.043	0.018	0.033	0.039	0.033	
31	0.024		0.031		0.047		0.038	0.050		0.051		0.030	
<b>MONTHLY MEAN</b>		0.023	0.027	0.034	0.030	0.039	0.041	0.040	0.027	0.038	0.039	0.042	0.031

## WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1				0.038	0.032	0.031	0.051	0.048	0.051	0.046	0.026	0.049
2	0.022			0.045	0.024	0.043	0.030	0.048	0.041	0.053	0.029	0.029
3	0.022			0.043	0.033	0.043	0.049	0.037	0.026	0.040	0.048	0.024
4	0.031			0.029	0.034	0.031	0.047	0.038	0.052	0.035	0.042	0.030
5	0.033			0.016	0.035	0.051	0.037	0.040	0.045	0.027	0.033	0.039
6	0.022			0.013	0.040	0.036	0.038	0.053	0.067	0.036	0.030	0.028
7	0.034			0.017	0.037	0.025	0.043	0.038		0.027	0.036	0.045
8	0.005			0.024	0.028	0.033	0.049	0.039		0.026	0.055	0.041
9	0.017			0.034	0.030	0.032	0.041	0.033		0.037	0.047	0.033
10	0.024			0.041	0.029	0.034	0.021	0.021	0.037	0.043	0.032	0.025
11	0.023			0.042	0.041	0.044	0.025	0.020	0.025	0.043	0.032	0.030
12	0.030			0.041	0.037	0.034	0.029	0.033	0.031	0.040	0.037	0.021
13	0.030			0.033	0.042	0.035	0.032	0.033	0.035	0.023	0.050	0.018
14	0.020			0.026	0.043	0.041	0.038	0.034	0.029	0.028	0.051	0.038
15	0.022			0.033	0.047	0.045	0.036	0.039	0.038	0.024	0.039	0.045
16	0.010			0.036	0.046	0.039	0.031	0.033	0.032	0.029	0.016	0.044
17	0.019			0.039	0.033	0.035	0.031	0.025	0.034	0.042	0.025	0.050
18	0.021			0.043	0.048	0.030	0.029	0.039	0.053	0.042	0.033	0.041
19	0.025			0.030	0.048	0.039	0.032	0.037	0.037	0.035	0.026	0.023
20	0.025			0.025	0.049	0.048	0.040	0.025	0.040	0.022	0.033	0.029
21	0.022			0.030	0.046	0.051	0.054	0.028	0.018	0.020	0.043	0.044
22	0.023			0.059	0.042	0.025	0.038	0.033	0.034	0.023	0.038	
23	0.010			0.037	0.044	0.053	0.039	0.027	0.033	0.025	0.048	
24	0.019			0.031	0.046	0.035	0.044	0.021	0.035	0.045	0.044	
25	0.021			0.028	0.039	0.039	0.037	0.031	0.043	0.028	0.040	
26				0.030	0.055	0.038	0.017	0.037	0.036	0.033	0.060	
27				0.013	0.040	0.027	0.035	0.045	0.049	0.032	0.070	
28				0.025	0.038	0.027	0.045	0.039	0.038	0.027	0.071	
29				0.040	0.039	0.027	0.042	0.039	0.061	0.029	0.043	
30				0.037	0.036	0.019	0.041	0.039	0.042	0.036	0.029	
31				0.031		0.049		0.032	0.049		0.045	
<b>MONTHLY MEAN</b>		0.022		0.032	0.039	0.037	0.037	0.035	0.038	0.033	0.040	0.035

Table 81. SULFUR DIOXIDE, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	0.036			0.061	0.034	0.023	0.003	0.055	0.097			
2	0.040			0.075	0.014	0.035	0.007	0.001	0.184			
3	0.282			0.079		0.073	0.023	0.002	0.046			
4	0.361			0.139	0.072	0.050	0.001	0.025	0.001	0.011	0.090	0.152
5	0.385			0.103	0.090		0.006	0.036	0.003	0.026	0.208	0.291
6	0.245			0.130	0.038	0.022	0.004	0.052	0.021	0.210		0.173
7	0.219			0.159	0.055	0.027	0.003	0.046	0.001	0.269	0.046	0.103
8			0.186	0.129	0.013	0.012	0.005	0.048	0.001	0.145	0.062	0.091
9			0.310	0.110	0.054	0.001	0.015	0.044	0.014	0.025	0.083	0.120
10			0.167	0.056	0.023	0.004	0.005		0.035	0.015	0.062	
11			0.223	0.071	0.022	0.004	0.036	0.019	0.010	0.036		
12			0.137	0.083	0.069		0.011	0.016	0.007			
13			0.080	0.114	0.031	0.042		0.006	0.019	0.085		0.361
14	0.244		0.058	0.064	0.047	0.016	0.003	0.038	0.010	0.010	0.278	
15	0.023		0.072	0.057	0.048	0.035	0.004		0.000	0.058	0.165	0.251
16	0.092		0.044	0.092	0.048	0.023	0.002		0.008	0.012		0.273
17	0.186		0.086	0.091	0.034	0.029	0.013		0.005	0.078		0.363
18	0.235		0.116	0.154	0.035		0.024			0.060	0.077	0.159
19	0.278		0.106	0.079	0.023		0.004	0.026	0.005	0.054	0.266	0.106
20	0.161		0.091	0.077	0.048	0.032	0.005	0.021	0.005	0.183	0.137	0.175
21	0.018		0.073		0.017	0.028	0.020	0.065	0.020	0.046	0.229	0.205
22	0.126		0.115	0.038	0.021	0.027	0.010	0.021	0.029	0.066	0.053	0.384
23	0.107		0.144	0.036	0.026	0.061		0.029	0.020	0.057	0.198	0.305
24			0.148	0.055	0.013	0.018		0.020	0.008	0.111	0.150	0.150
25			0.163		0.017		0.043	0.027			0.157	0.139
MONTHLY MEAN	0.180		0.151	0.079	0.037	0.024	0.011	0.033	0.034	0.090	0.131	0.238

CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	0.010		0.030	0.025		0.013	0.030	0.033	0.053	0.023	0.017	0.034
2	0.022		0.039	0.023	0.035	0.006	0.035	0.030		0.025	0.025	0.025
3	0.033	0.070		0.028	0.040	0.012	0.019	0.018		0.044	0.035	0.034
4	0.046	0.065		0.025	0.055	0.011	0.030	0.034		0.023	0.074	0.045
5	0.041	0.055		0.019	0.055	0.021	0.015	0.032		0.024	0.045	0.043
6	0.029	0.029	0.035	0.010			0.028	0.028		0.043	0.080	0.101
7	0.027	0.061		0.009			0.033	0.023		0.026	0.065	0.134
8	0.023	0.049		0.014		0.022	0.028	0.035		0.013	0.073	0.101
9	0.023	0.005		0.003	0.052	0.007	0.039	0.059		0.028	0.088	0.047
10	0.018	0.020		0.013	0.060	0.010	0.014	0.059	0.045	0.010	0.021	0.014
11	0.018	0.017		0.022	0.060	0.012	0.019	0.032	0.034	0.039	0.050	0.011
12	0.039	0.000		0.001		0.010	0.027	0.022	0.061	0.037	0.052	0.014
13	0.031	0.000				0.024	0.015	0.039	0.032	0.049	0.026	0.053
14	0.036	0.009				0.014	0.015	0.017	0.011	0.031	0.037	0.091
15	0.039	0.006				0.023	0.051	0.008	0.066	0.038	0.011	0.059
16	0.032	0.033	0.030			0.021	0.028	0.004	0.034	0.054	0.012	0.052
17	0.042	0.022	0.044			0.009	0.012	0.009	0.022	0.043	0.013	0.068
18	0.032	0.050	0.052			0.002	0.025	0.020		0.035	0.028	0.035
19	0.049	0.011	0.013				0.032	0.011	0.036	0.022	0.025	0.009
20	0.050	0.009	0.013				0.004	0.043	0.014	0.035	0.026	0.023
21		0.025	0.062	0.037	0.010	0.037	0.017	0.016	0.040	0.037	0.054	
22	0.092	0.032	0.016	0.031	0.003	0.034	0.022	0.023	0.045	0.032	0.018	0.036
23	0.040	0.031	0.029	0.019		0.008	0.030	0.020	0.041	0.010	0.047	0.020
24	0.068	0.054	0.020	0.012			0.006	0.022	0.027	0.022	0.034	0.063
25	0.084	0.044	0.043	0.021		0.007	0.008	0.017	0.014	0.013	0.041	0.027
26	0.094	0.026	0.025	0.025	0.006	0.006	0.025	0.028	0.015	0.054	0.021	0.030
27	0.084	0.037	0.020	0.032	0.002		0.025	0.033	0.026	0.040	0.008	0.055
28	0.066	0.029	0.030			0.005		0.028	0.019	0.030	0.034	0.015
29	0.079		0.059			0.004		0.025	0.024	0.034	0.021	0.026
30	0.060		0.038			0.011	0.023	0.014	0.048	0.013	0.022	0.024
31	0.097		0.039			0.010		0.022	0.028		0.051	0.022
MONTHLY MEAN	0.047	0.029	0.032	0.021	0.019	0.020	0.021	0.031	0.034	0.029	0.041	0.043

Table 81 (continued). SULFUR DIOXIDE, DAILY AVERAGES (ppm)

## DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.017	0.014	0.002	0.003	0.016	0.018	0.015	0.007		0.000	0.012	0.007
2	0.024	0.016	0.003	0.008	0.017	0.015	0.012	0.005	0.012	0.001	0.012	0.009
3	0.037	0.023	0.000	0.009	0.013	0.018	0.015	0.004	0.001	0.002	0.014	0.011
4	0.025	0.022	0.000	0.016	0.013	0.011	0.019	0.006	0.003	0.005	0.010	0.012
5	0.031	0.012	0.001	0.018	0.014	0.011	0.017	0.006	0.002	0.006	0.012	0.009
6	0.030	0.007	0.002	0.015	0.016	0.022	0.016	0.011	0.015	0.002	0.015	0.004
7	0.024	0.003	0.004	0.015	0.013	0.023	0.017	0.005	0.004	0.001	0.012	0.009
8	0.026	0.000	0.001	0.020	0.016	0.011	0.030	0.004	0.001	0.001	0.010	0.004
9	0.022	0.003	0.000	0.019	0.011	0.013	0.026	0.004	0.000	0.000	0.008	0.004
10	0.026	0.005	0.001	0.018	0.007	0.013	0.020	0.006	0.000	0.004	0.009	0.021
11	0.022	0.021	0.002	0.022	0.002	0.012	0.023		0.001	0.006	0.004	0.009
12	0.013	0.013	0.002	0.014	0.007	0.010	0.016		0.002	0.001	0.007	0.004
13	0.017	0.004	0.001	0.015	0.008	0.011	0.020		0.003	0.001	0.010	0.005
14	0.011	0.019	0.003	0.017	0.009	0.011	0.013		0.000	0.000	0.015	0.008
15	0.004	0.026	0.002	0.015	0.012	0.003	0.019	0.014	0.001	0.004	0.008	0.008
16		0.023	0.005	0.014	0.006	0.003	0.020	0.017	0.010	0.003	0.011	0.011
17		0.020	0.004	0.008	0.010	0.005	0.017	0.013	0.004		0.006	0.008
18	0.007	0.004	0.012	0.010	0.010	0.002	0.019	0.013	0.004		0.008	0.006
19	0.003	0.002	0.022	0.013	0.009	0.001	0.012	0.019	0.007		0.007	0.006
20	0.003	0.004	0.014	0.012	0.014	0.000	0.019	0.014	0.004			0.008
21	0.019	0.006	0.021	0.018	0.009	0.004	0.019	0.003	0.003		0.006	0.011
22	0.028	0.004	0.019	0.012	0.007	0.008	0.017	0.013	0.004		0.011	0.002
23	0.022	0.004	0.019	0.017	0.006	0.010	0.013	0.012	0.004		0.010	0.003
24	0.019	0.004	0.024	0.013	0.017	0.017	0.021	0.015	0.001	0.013	0.008	0.000
25	0.012	0.006	0.010	0.013		0.010	0.017	0.026	0.001	0.011	0.003	0.000
26	0.027	0.007	0.024	0.015	0.018	0.019	0.013	0.016	0.003	0.011	0.004	0.011
27	0.038	0.001	0.021	0.011	0.023	0.022	0.014	0.017	0.000	0.013	0.005	0.011
28	0.022	0.004	0.018	0.015	0.021	0.023	0.005	0.013	0.002	0.013	0.014	0.011
29	0.021		0.012	0.018	0.026	0.031	0.002	0.011	0.001	0.014	0.012	0.010
30	0.020		0.012	0.011	0.013	0.020	0.005	0.002	0.001	0.010	0.008	0.007
31	0.018		0.012		0.019		0.006			0.010		
MONTHLY MEAN	0.020	0.010	0.009	0.014	0.013	0.012	0.016	0.011	0.003	0.005	0.009	0.008

## PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.074	0.101		0.083	0.073	0.044	0.156	0.092		0.019	0.060	0.186
2	0.030	0.148		0.096	0.050	0.051	0.049	0.140		0.080	0.039	0.137
3	0.058	0.098		0.076	0.168	0.142	0.053	0.024	0.049	0.117	0.066	0.064
4	0.059	0.102	0.258	0.079	0.049	0.164	0.023	0.086		0.161	0.049	0.080
5	0.290	0.047	0.045	0.060	0.141	0.229	0.087	0.071		0.119	0.163	0.130
6	0.083	0.038	0.010	0.074	0.234	0.206	0.118	0.099	0.036	0.051	0.048	0.145
7	0.053		0.019	0.200	0.030	0.110	0.092	0.128	0.040	0.092	0.107	0.290
8	0.031	0.150		0.063	0.086	0.114	0.049	0.100	0.041	0.183	0.118	0.168
9	0.034	0.185	0.053	0.063	0.051	0.061	0.062	0.051	0.055	0.187	0.110	0.202
10	0.079	0.215		0.076	0.040	0.160	0.169	0.060	0.050	0.055	0.039	0.071
11	0.031	0.150	0.277	0.077	0.073	0.040	0.042	0.146	0.049	0.099	0.051	0.033
12	0.041	0.129	0.066	0.131	0.055		0.079	0.038	0.074	0.024	0.080	0.034
13	0.133	0.076	0.055	0.071	0.075	0.030	0.047	0.016	0.024	0.120	0.045	0.119
14	0.069	0.052	0.078	0.068	0.073	0.135	0.025	0.062	0.046	0.093	0.107	0.052
15	0.095	0.056	0.063	0.121	0.071	0.086	0.019	0.074	0.009	0.095	0.069	0.064
16	0.037	0.080		0.140	0.073	0.132	0.003	0.066	0.032	0.084	0.178	0.268
17	0.039	0.049	0.104	0.113	0.083		0.011	0.030	0.073	0.047	0.261	0.346
18	0.043	0.209	0.187	0.259	0.033		0.118	0.090	0.123	0.108	0.248	0.232
19	0.112	0.041	0.128	0.066		0.135	0.193	0.097	0.091	0.101	0.028	0.047
20	0.035	0.114	0.084	0.255			0.062	0.085	0.041	0.133	0.230	0.065
21		0.057	0.150	0.113	0.187	0.042	0.084	0.042		0.134	0.165	0.076
22		0.197	0.133	0.018	0.117	0.091	0.106	0.039		0.269	0.269	0.112
23		0.077	0.099	0.112		0.128	0.073	0.035		0.192	0.271	0.099
24		0.076	0.136	0.079	0.038	0.055	0.043	0.022		0.092	0.117	0.066
25		0.058	0.071	0.160	0.041	0.079	0.047	0.049	0.133		0.230	0.065
26	0.121		0.055	0.080	0.103	0.098	0.126	0.030	0.075	0.108	0.064	0.062
27		0.000	0.097	0.111	0.228	0.055	0.027	0.141	0.125	0.116	0.047	
28		0.109	0.053	0.192	0.079	0.079	0.031	0.105	0.145	0.095	0.117	
29		0.032	0.106	0.023	0.078	0.064	0.082	0.135	0.070	0.057		
30		0.130	0.091	0.023	0.124	0.036	0.227	0.074	0.040		0.046	
31		0.029		0.100		0.042	0.120		0.069		0.071	
MONTHLY MEAN	0.071	0.100	0.079	0.106	0.081	0.123	0.071	0.076	0.061	0.102	0.116	0.110

Table 81 (continued). SULFUR DIOXIDE, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.030	0.103	0.043	0.005	0.061		0.074				0.000	0.000
2	0.021	0.049	0.049	0.025	0.067	0.036	0.040				0.004	0.000
3	0.064	0.048	0.043	0.027	0.100	0.044	0.042				0.010	0.039
4	0.066	0.016	0.021	0.007	0.048	0.031	0.035				0.011	0.020
5	0.118	0.029	0.022	0.010	0.033	0.040	0.037	0.076		0.001	0.024	0.010
6	0.022	0.042	0.007	0.013	0.035	0.022	0.034	0.065		0.036	0.012	0.017
7	0.025	0.051	0.030	0.027	0.050	0.053	0.061			0.045	0.012	0.006
8	0.036	0.038		0.031	0.077	0.052	0.101			0.059	0.027	0.001
9	0.053	0.017	0.066	0.017	0.034	0.030	0.023			0.039	0.032	0.001
10	0.035	0.021	0.060	0.059	0.044	0.051	0.064			0.009	0.017	0.000
11	0.052	0.030	0.074	0.033		0.050	0.065			0.018	0.043	0.001
12	0.077	0.059	0.054	0.052	0.097	0.056	0.046			0.054	0.050	
13	0.010	0.017	0.071	0.066	0.061	0.024	0.024			0.073		
14	0.065	0.039	0.072	0.178	0.059	0.028	0.031			0.011	0.078	
15	0.060	0.083	0.076	0.075	0.067	0.058				0.000	0.065	0.100
16	0.024	0.039	0.065	0.052	0.080	0.018				0.000	0.054	
17	0.005	0.089	0.037	0.043	0.088	0.022				0.027	0.068	0.063
18	0.022	0.110	0.029	0.029	0.043	0.046				0.005	0.000	0.065
19	0.030	0.066	0.020	0.064	0.057	0.093				0.002	0.032	0.058
20	0.055	0.121	0.054	0.050	0.099	0.098				0.038	0.021	0.061
21	0.030	0.100	0.041	0.043	0.090	0.053	0.041			0.034	0.048	
22	0.021	0.121	0.038	0.043	0.082	0.059	0.048			0.017	0.014	
23	0.008	0.094	0.026	0.033	0.047	0.038	0.053			0.040	0.009	0.019
24	0.066	0.128	0.017	0.036	0.047	0.041	0.028			0.050	0.020	0.005
25	0.067	0.059	0.053	0.058	0.094	0.048	0.043			0.157	0.008	
26	0.093	0.041	0.013	0.037	0.062	0.039	0.060			0.105	0.003	
27	0.025	0.030	0.038	0.050	0.036	0.034				0.044	0.000	0.019
28	0.038	0.033	0.077	0.023	0.028	0.025	0.008			0.045	0.000	0.015
29	0.002	0.047	0.025	0.066	0.051	0.045	0.032			0.032	0.000	
30	0.015			0.025	0.039	0.031	0.037			0.041	0.001	
31	0.026				0.046		0.047			0.026		0.003
MONTHLY MEAN	0.040	0.059	0.042	0.043	0.061	0.043	0.044			0.034	0.024	0.024

WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1			0.026	0.054		0.024	0.020			0.032	0.021	0.022
2			0.051	0.037		0.026	0.012			0.106	0.022	0.073
3	0.125	0.049				0.025	0.020			0.120	0.021	0.042
4	0.107	0.042				0.020	0.020			0.067	0.023	0.058
5	0.091	0.033	0.038			0.020	0.021			0.014	0.031	0.147
6						0.020	0.016			0.016	0.030	0.098
7			0.045	0.049		0.020	0.016			0.025	0.030	0.037
8	0.017	0.252	0.035	0.037		0.020	0.020			0.043	0.020	0.011
9	0.021	0.177	0.076	0.053	0.020	0.021	0.030			0.027	0.021	0.008
10	0.022	0.115	0.105	0.057	0.031	0.016	0.023	0.046	0.041	0.022	0.022	0.002
11	0.020	0.101	0.102	0.055	0.056	0.017	0.027			0.040	0.028	0.013
12	0.023	0.145	0.080	0.009	0.028	0.020	0.030			0.040	0.061	0.020
13	0.023	0.056	0.101	0.017	0.034	0.017	0.029			0.034	0.075	0.020
14	0.024	0.065	0.049	0.052	0.060	0.021	0.023			0.030	0.062	0.058
15	0.029	0.056	0.050	0.056	0.065	0.016	0.023	0.040		0.028	0.063	0.049
16	0.020	0.038	0.060	0.065	0.042	0.013	0.022	0.037	0.033	0.069	0.079	
17	0.022	0.049	0.074	0.067	0.031	0.010	0.020	0.039	0.039	0.065	0.067	
18	0.028	0.031	0.059	0.062	0.028	0.010	0.028	0.049	0.040	0.053		
19	0.030	0.100	0.039	0.062	0.030	0.012	0.022			0.054	0.020	
20	0.031	0.042	0.042	0.029	0.034	0.014	0.011			0.042	0.055	
21	0.031	0.074	0.065	0.024	0.036	0.019	0.013			0.060	0.079	
22			0.007	0.021	0.024					0.010	0.026	
23			0.077	0.014	0.023					0.009	0.042	
24	0.068	0.090	0.029	0.021						0.010	0.019	
25	0.049	0.109	0.034							0.031	0.029	
26	0.080	0.070	0.044			0.020				0.034	0.035	
27	0.087	0.095	0.038			0.021				0.039	0.078	
28	0.080	0.058	0.047			0.021				0.070	0.064	
29	0.088		0.051			0.019				0.028	0.069	
30	0.073		0.062			0.021				0.024		
31	0.077		0.060							0.029		
MONTHLY MEAN	0.042	0.097	0.053	0.040		0.020	0.020			0.046	0.038	

Table 82. TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

## CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.	
1	2.27		2.57	2.30	1.94	2.13		2.73	5.70	3.16	3.05		
2	1.67		2.89	2.29	2.15	2.92		2.65	3.70	2.51	3.03	2.83	
3			2.52	2.14	2.01	2.68		2.29	2.60	2.69	2.61	3.04	
4	3.60		1.64	2.57	2.16	2.16		3.35	1.87	2.33	2.79	2.42	
5	5.70		1.96	2.25	2.31	1.79		4.14	3.35	2.76	3.08		
6	3.06		1.55		2.48	2.01		4.51	3.13	3.42	2.37	2.87	
7	2.52		2.30		2.65	2.93			2.80	2.99	3.55		
8	2.47		2.18	2.53	1.64	2.56		3.27	2.45	3.68	2.84		
9	2.09		2.20	2.53	2.05	2.83		2.92	3.41	2.31	3.94	3.02	
10	2.13		2.45	2.41	2.20	2.47		3.09	4.29	2.35	2.53	2.73	
11	2.54		2.43		2.09	2.06		2.78		2.81	3.43	2.56	
12	1.96		2.48	2.40	2.63	2.49		3.32		4.15	2.85	2.94	
13	2.40		1.90	2.44	2.45	3.52		2.24		3.88	3.01	2.79	
14	2.90		2.43	2.70	2.67	2.12		2.57	2.74	2.88	3.45	3.22	
15	2.35		2.35	2.67	2.33	1.94		3.50	2.30	1.99	3.24	3.23	
16	2.01		2.26		3.17	3.58		2.72	4.19	2.08	2.91	2.52	
17			2.42		3.67	3.45		3.34	3.74	2.84	2.99	2.67	
18	2.74		1.88	3.99	3.09	3.58		2.81	2.71	3.00	3.04	2.63	
19	2.90		1.87	2.52	2.05			2.97	3.23	3.33	3.25	2.69	
20	2.78		2.64	2.78	2.54			3.00	2.80	3.63	2.64	2.79	
21	1.82		3.20	1.91	2.94			2.54	3.46	2.68	3.04	3.41	
22	2.04		1.60	2.37				2.25	3.17	2.30	2.96	3.23	
23	1.75		2.06	3.54	2.58			2.33	3.14	2.50	3.00	3.25	
24			2.23	2.22	2.37	2.91		2.76	3.27	3.50	2.67	2.45	
25			2.60	2.62	2.44	3.24		2.84	2.77	3.87	2.77	2.20	
26			2.58	2.52	2.23	4.21		3.60	3.72	4.23	4.58	3.63	
27			2.17	2.21	2.04	2.52			3.00	3.82	3.09	2.80	
28			2.97	2.57	1.95	2.16		3.36	2.84	3.09	3.41	2.32	
29					2.17	1.49		3.00	3.06	2.45	2.79	2.68	
30					2.34	1.46		2.50	3.37	3.31	2.48	2.78	
31						4.00		4.13		2.62		4.74	
MONTHLY MEAN	2.59		2.34	2.44	2.47	2.73			3.02	3.31	2.96	2.99	2.85

## CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	1.88			1.62	2.21	2.70	2.59					
2	1.98			1.98	2.51	3.51	3.35					
3	2.47		2.40	1.94	3.15	1.95	2.77					
4	4.65		1.90	1.85	2.48	3.08	1.79	3.61				
5	3.78		1.82	2.32	2.75	2.60	1.87	3.52				
6	2.19		1.47	2.29	2.38	2.66	1.87	3.85				
7	2.01		1.45	2.44	2.88	2.94	1.76	2.58				
8	1.93		2.08	2.69	2.40	2.98	2.56	2.52				
9	2.13		2.65	2.37	2.13	2.34	2.13	3.16				
10	1.90		2.94	2.68	2.43	2.47	1.76	3.19				
11	1.95		2.76	2.61	2.47	2.94	1.77	2.77				
12	1.90		2.75	2.55	2.48				3.10			
13	1.03		2.35	2.60	2.62	3.12	2.23	2.38				
14	2.25		2.98	2.81	2.69	2.84	2.80	2.24				
15	3.46		3.86	4.28	3.07	2.40	1.96	2.14				
16	1.87		2.53	3.59	2.78	2.21	2.03	2.30				
17	1.95		3.84	4.02	3.16	2.51	2.79	3.49				
18	1.81		2.27	2.88	3.06	3.05	2.73	3.20				
19	2.24		2.35	2.90	2.90	2.91	2.11	3.32				
20			2.37	2.26	2.90	3.04	2.25	2.01				
21				2.99	3.12	3.04	2.35	1.97				
22			2.67	2.65	2.51	3.21	3.03	2.16				
23			2.17	2.79	3.56	3.62	2.76	2.07				
24			2.05	2.82	2.48	3.13	2.86	2.53				
25			2.23	3.08	2.66	3.54	3.57	3.22				
26				2.21	3.58	4.02	3.10	3.58	3.01			
27				2.23	2.49	4.08	3.02		3.23			
28				2.57	2.98	2.45			3.12			
29				2.64	2.68	2.31	2.90		3.62			
30				2.08	2.74	2.51	3.65		4.33			
31				2.09	2.65			4.34				
MONTHLY MEAN	2.32		2.43	2.68	2.78	2.97	2.42	2.96				

Table 82 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

## DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV	DEC
1	2.16	2.94	2.35	2.06	1.65	1.89	2.00	2.18		2.71	2.65	
2	2.09	3.40	2.76	1.62	1.85	2.27	1.75	2.08	2.24	1.81	2.44	3.55
3	3.02	2.70	1.69	1.34	2.17	2.39	1.63	1.97	2.03	1.98		
4	4.20	4.09	1.76	1.84	2.00	2.15	1.62	1.97	2.12	2.60		
5	3.78	3.02	1.94	1.77	1.90	1.67	2.15	2.15	1.72	3.67		
6	4.15	3.04	2.18	2.09	2.04	2.05	2.14	1.99	2.16	3.15		
7	2.93	4.02	2.66	1.85	1.96	2.22	1.95	1.52	2.20	2.71		2.54
8	3.25	2.50	2.72	2.19	1.75	2.40	2.45	2.03		2.22	2.18	2.39
9	2.43	1.92	2.55	2.27	2.21	2.70	1.74	1.89	2.07	2.24	2.88	2.48
10	4.28	2.49	2.54	1.52	1.84	2.79	1.70	1.86	1.90	5.24		3.40
11	3.14	2.28	2.47	1.98	1.77	2.21	2.00		1.54	3.84	2.93	3.23
12	2.77	2.46	2.32	1.89	1.87	1.78	1.81		2.68	2.98		3.32
13	2.36	1.79	2.16	2.00	2.02	2.31	1.78		2.25	2.51		2.99
14	2.46	2.10	2.47	2.06	1.72	2.19	2.04	1.54	2.38			2.89
15	2.05	3.58	2.30	2.21	1.95	2.79	1.87	2.08	2.44			2.89
16	1.98	2.57	1.84	1.90	1.87	1.55	1.61	2.34	3.23			2.34
17	2.73	2.19	1.62	1.57	2.29	2.44	1.50	2.40	3.01			
18	3.79	3.26	1.96	1.91	1.97	1.78	2.01	2.56	2.15			
19	2.81	2.95	3.20	1.70	1.92	1.24	1.95	2.63	3.04			2.72
20	2.60	1.98	1.98	2.69	1.87	2.12	2.12	3.47				3.48
21	3.40	2.64	1.97	2.33	1.92	2.16	2.15	1.60	3.35			3.34
22	3.19	2.15	2.10	1.90	1.58	1.97	2.02	2.08	3.65			2.22
23	2.77	2.29	2.76	2.00	1.67	1.91	2.02	2.18	3.04			3.11
24	2.49	2.31	2.09	1.99	2.36	2.19	1.64	2.52	2.44	2.44		2.96
25	2.50	3.42	2.75	1.91	2.91	1.58	2.21	2.72	1.96	3.33		2.69
MONTHLY MEAN	3.16	2.66	2.26	1.90	1.97	2.10	1.91	2.14	2.51	2.79		2.82

## PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV	DEC
1	1.86	2.30	2.55	2.61	2.12	1.74	2.12	2.47	2.51	1.86	2.87	3.04
2	1.45	2.62	1.46	-	1.72	1.99	2.32	2.50	2.24	3.01	2.71	2.49
3	2.01	2.30	3.17	-	2.39	2.58	2.50	1.96	1.91	3.77	2.24	1.99
4	2.23	2.32	2.64	-	1.60	2.75	2.36	2.39	1.96	2.95	2.54	2.15
5	3.50	2.34	1.86	-	2.41	3.23	-	2.61	1.76	2.27	3.00	3.03
6	2.12	2.22	1.70	-	2.38	2.89	-	2.58	2.09	1.93	2.13	2.72
7	2.77	2.63	1.34	2.86	1.65	2.46	-	2.29	1.95	2.77	2.69	2.60
8	2.05	3.00	1.44	2.38	2.10	2.50	2.01	2.20	2.22	3.64	2.67	4.36
9	1.70	4.27	1.79	2.18	1.99	2.22	1.79	2.23	2.19	2.73	2.95	3.79
10	2.64	2.62	2.51	2.26	2.42	2.22	2.01	2.18	2.03	2.29	2.29	2.76
11	1.98	3.77	1.16	2.73	2.13	1.40	1.91		1.85	2.77	2.71	1.96
12	1.71	4.89	1.76	2.79	3.56	1.48	2.25		2.27	2.05	2.71	2.17
13	2.07	2.82	1.79	3.15	2.74	2.25	2.33		2.29	2.96	1.93	2.70
14	2.09	-	2.10	2.56	2.41	2.07		3.00	2.59	2.45	2.13	-
15	1.98	-	1.97	2.55	2.65	2.56	2.15		2.02	2.72	2.18	2.18
16	1.76	-	-	2.24	2.35	2.16	3.38	1.88		2.42	2.41	3.19
17	1.98	-	-	2.40	2.35	7.16	2.08		2.75	2.64	3.72	3.97
18	1.87	-	-	2.58	3.00	2.66	2.47		4.45	3.30	4.06	2.78
19	2.75	-	-	2.16	2.84	3.18	2.55		3.42	4.07	1.92	2.01
20	-	-	-	1.76	2.88	1.39	1.80		2.73	2.06	2.21	3.05
21	-	-	-	1.92	3.65	3.13	1.95	1.98		3.48	2.93	3.29
22	2.54	-	-	2.70	2.85	1.80	1.81	2.74		2.48	3.36	4.10
23	1.88	-	-	2.37	2.56	2.08	2.54		2.21	3.33	4.54	2.26
24	1.78	-	-	2.43	2.06	2.02	2.23	1.88		1.98	2.83	1.87
25	1.86	2.08	-	1.96	2.55	3.51	1.88	2.50	1.93	2.12	3.31	4.90
26	1.99	1.70	-	1.57	2.03	3.72	2.11	2.68	2.12	2.32	3.48	2.73
27	1.75	-	-	1.47	2.27	2.70	2.69	2.34	1.80	3.27	2.89	2.96
28	2.42	1.95	-	-	2.49	2.34	2.68	2.66	1.70	3.36	5.14	2.15
29	2.16	-	-	2.25	2.37	1.86	2.15	2.41	3.06	3.40	3.90	2.40
30	2.59	-	-	2.50	2.39	1.33	2.14	2.35	2.45	2.62	2.02	2.56
31	2.60	-	-	2.54	1.72	-	2.22	2.53		2.64		2.37
MONTHLY MEAN	2.11	2.74	2.12	2.59	2.41	2.31	2.26	2.26	2.51	2.92	2.82	2.54

Table 82 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES (ppm)

ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1			3.08	2.61	2.39	1.95	3.67	4.58	4.99	5.99	2.61	3.24
2	2.39	3.30	2.58	2.63	2.39	3.23	3.84	6.58	2.18	2.49	3.75	3.87
3	3.29	3.07	3.57		2.48	2.60	3.90	6.08	2.41	2.59	2.61	2.20
4	3.89	3.79	2.35		2.52	2.20	3.12	5.65	1.77	2.97	2.20	2.66
5	4.25	4.24	2.02		2.89	2.15	2.90	5.47	2.36	2.56	2.56	2.66
6	2.67	3.57	2.23		2.83	2.32	2.24		5.04	4.58	2.51	1.95
7	2.48	4.26	2.50		2.97	3.05	2.54	2.78	2.85	2.28	1.95	
8	2.36	2.96	3.34		2.56	2.58	3.84	3.12	2.19	2.06	2.22	
9	2.21	3.31	3.99		2.06	2.37	2.95	3.27	1.36	2.65		
10	2.55	4.56			2.29	2.42	2.82	2.05	3.77	1.74	3.20	1.69
11	2.58	3.38			2.79	2.77	3.07	2.10	3.52	2.18	3.22	
12	2.89	4.63			2.71	2.90	2.65	3.08	3.06	2.02	3.25	1.84
13	2.39	4.29			2.73	3.14	2.91	1.93	3.81	1.28	3.38	2.10
14	3.60	3.70	3.56		2.59	3.54	3.81	1.81	2.96	0.98	6.57	2.31
15	3.27	6.50	3.23		2.57	3.31		1.75	2.68	1.09	4.06	2.94
16	2.66	4.48	3.32		2.04	2.35		2.89	3.54	2.30	3.26	3.46
17	2.82	3.54	2.94		3.05	2.79		5.81	4.20	3.08	3.04	
18	2.86	3.61	2.90		2.68	2.77		3.95	2.98	2.44	3.31	2.52
19	2.91	3.20	2.58	3.78	2.71	4.45		3.58	2.62	2.57	3.35	2.27
20	2.92	2.59	3.28	2.85	2.83	3.30		2.48	2.43	3.44	3.17	2.10
21	2.66	2.79	2.92	1.96	2.20	3.25	1.86	1.92	2.82	2.99	3.53	2.65
22	2.37	3.03	2.67	2.33	2.14	3.54	2.50	1.76	3.16	3.04	2.58	2.13
23	2.32	2.69	2.64		2.59	3.09	2.89	1.53	3.31	4.17	2.54	
24	2.46	2.93	2.19		2.38	3.21	2.70		3.96	5.88		
25	2.61	2.90	2.76		3.31	3.20	2.39		2.47	3.92		
26	2.92	2.53	2.12		3.12	3.05	3.99	3.00	2.78	5.37		
27	2.93	3.02	2.65	2.68	3.03	1.75	4.28	2.59	4.24			
28	2.51	2.64	3.41	2.19	2.86	3.20	3.87		3.55	4.60		
29	2.35	3.05	2.60	2.56	2.32	2.98	2.77	2.42	3.62	3.77		
30	2.36	2.41	2.61		2.52	3.84	3.01	4.07	2.98	3.25	4.09	
31	3.26		3.10		2.95		4.49	5.54	5.75			
MONTHLY MEAN	2.79	3.52	2.84		2.64	3.02	3.21	2.97	3.65	2.95	3.19	2.50

WASHINGTON (CAMP Station)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
1	2.29	2.41	2.12	2.24	2.28	2.00	2.71	2.23	2.85	2.00	2.36	
2	2.07	2.37	2.93	2.01	2.06	1.90	2.50	2.09	2.32	2.23	2.13	2.71
3	2.16	2.18	3.02	2.26	2.18	2.01	2.10	1.89	2.10	3.62	2.14	2.65
4	2.33	2.12	2.23	2.31	2.07	2.13	2.24	2.32	1.94	2.34	2.44	2.86
5	3.67	2.14	1.90	2.14	2.31	2.07	2.14	2.22	1.88	2.18	2.26	3.54
6	1.87	2.30	1.80	2.39	2.03	2.08	2.56	2.61	2.26	2.14	2.17	3.31
7	2.26	2.44	1.96	2.53	1.94	2.36	2.03	2.46	2.10	2.68	2.81	2.71
8	1.07	3.02	1.97	2.39	2.01	4.59	1.95	2.28	2.15	2.64	2.29	2.82
9	1.15	3.38	2.23	2.41	1.95	2.14	1.92	2.29	2.67	2.54	2.32	2.97
10	1.51	3.15	2.41	2.51	1.96	2.03	1.81	2.27	2.35	2.24	2.22	2.60
11	1.13	4.49	2.41	2.44	2.16	2.27		2.01	2.49	2.26	2.34	2.50
12	3.59	2.24	2.53	1.99	2.27	2.00	2.40	2.46	2.34	2.66	2.31	2.63
13	2.28	2.03	2.37	1.87	2.25	1.99	2.25	2.25	2.50	2.62	2.12	2.69
14	2.32	2.10	2.45	1.76	2.37	1.95		1.96	2.71	2.55	2.71	
15	2.42	2.17	3.09	1.88	2.76	1.97	2.32	1.88	2.29	2.16	2.83	
16		2.35	2.01	2.12	1.67	3.25	1.85	2.21	2.68	2.15	2.62	3.41
17		2.22	2.03	2.06	1.68	2.37	1.84	2.05	3.58	2.28	2.80	3.37
18		2.91	2.03	1.97	1.64	2.24	2.00	2.45	2.39		3.47	2.76
19		2.24	2.28	1.98	1.98	2.25	2.15	2.32	2.34	2.43	2.06	2.52
20		2.03	2.33	2.30	2.21	1.89	2.52	1.89	2.09		2.28	2.73
21		2.30	2.32	2.12	2.63	2.88	1.94	1.86	2.03		2.81	2.60
22		2.72	2.72	2.33	1.54	2.44	1.93	1.96	2.40		4.12	3.39
23		2.31	2.59	2.32	3.52	2.44	1.71	2.05	2.09		6.40	2.98
24	1.98	2.43	2.70	2.34	1.98	2.61	1.75	1.98	2.36	2.45	4.72	2.54
25	2.03	2.33	2.30	2.21	1.89	2.66	1.80	2.35	2.55	2.59	3.73	2.62
26	2.15		2.22	2.60	1.94	2.35	1.98	2.19	2.14	3.12	2.99	2.59
27	2.21	2.17	1.96	2.14	1.90	2.37	2.04	2.34	2.54	3.97	4.13	2.89
28	2.39	2.31	1.96	2.16	1.96	1.61	1.96	2.28	2.51	4.72	2.22	3.64
29	2.51		2.15	2.25	1.74	1.66	2.21	2.87	2.68	2.99	2.30	2.45
30	2.24		2.57	2.23	1.51	1.86	2.06	2.19	2.43	2.27	2.56	2.58
31	2.25		2.10		2.07		2.27	2.50		2.25		2.93
MONTHLY MEAN	2.07	2.58	2.25	2.30	2.01	2.28	2.04	2.26	2.36	2.63	2.80	2.85

Table 83. TOTAL OXIDANTS, DAILY AVERAGES (ppm)

CHICAGO (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.007	0.020	0.011	0.021		0.027	0.034	0.045	0.047		0.002	
2	0.006	0.010	0.024	0.014		0.036	0.030	0.018	0.022		0.002	
3	0.002	0.003	0.025	0.025		0.029	0.034	0.024	0.022		0.002	
4	0.003	0.000	0.008	0.003	0.019	0.031	0.018	0.054	0.015	0.014	0.006	
5	0.009	0.000	0.011	0.004		0.013	0.050				0.012	
6	0.002	0.021	0.011	0.009	0.038	0.026	0.019	0.072	0.017		0.014	
7	0.001		0.003	0.018	0.011	0.030	0.022		0.025		0.012	
8	0.000		0.009	0.020	0.015	0.025	0.029	0.022		0.030	0.014	
9				0.020	0.015	0.019	0.012	0.032	0.026	0.032	0.017	
10			0.027	0.020	0.027	0.028	0.027	0.026	0.038		0.009	0.003
11			0.027	0.024	0.018	0.025	0.030	0.014	0.031	0.037		0.012
12			0.024	0.021	0.018	0.030	0.026	0.002	0.028	0.035	0.030	0.002
13			0.021	0.020	0.015	0.026	0.026	0.002	0.029	0.035	0.022	
14			0.030	0.032	0.020	0.032	0.016	0.008	0.020	0.018	0.013	
15								0.016	0.017	0.011		
16			0.028	0.027	0.019	0.045	0.031		0.027	0.019	0.013	
17			0.027	0.024	0.018	0.033	0.050		0.028	0.024	0.014	
18			0.021	0.026	0.015	0.032	0.037		0.035	0.035	0.018	
19			0.008	0.008	0.015	0.024	0.033	0.018	0.020	0.018	0.003	
20	0.016		0.008	0.008	0.015	0.028	0.025	0.023	0.010	0.011	0.002	0.008
21	0.016	0.019	0.024	0.024	0.011	0.033	0.037	0.024	0.018	0.008	0.019	0.020
22	0.017	0.015	0.024	0.024	0.015	0.031	0.043	0.006	0.021	0.019	0.019	0.001
23	0.001	0.009	0.009	0.009	0.005	0.031	0.038	0.078	0.010	0.015	0.018	
24						0.031	0.031	0.072	0.010	0.019	0.015	
25			0.005	0.002	0.001	0.037	0.035	0.035	0.012	0.027	0.019	
26			0.016	0.013	0.028	0.005	0.031	0.043	0.027	0.024	0.016	
27			0.013	0.007	0.018	0.034	0.029	0.014	0.025	0.024	0.015	
28			0.020	0.012	0.011	0.007	0.025	0.022	0.021	0.012	0.009	0.019
29	0.000	0.000				0.029	0.022	0.026	0.024	0.009	0.005	0.005
30						0.032	0.025	0.033	0.034	0.005	0.018	
31	0.000				0.013			0.035				0.017
<b>MONTHLY MEAN</b>	<b>0.006</b>				<b>0.017</b>	<b>0.031</b>	<b>0.031</b>	<b>0.028</b>	<b>0.027</b>	<b>0.024</b>	<b>0.011</b>	

CINCINNATI (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1		0.026								0.017	0.012	0.011
2		0.028								0.023	0.014	0.020
3		0.022								0.026	0.018	0.010
4	0.046	0.014			0.010	0.031	0.037			0.030	0.012	0.013
5	0.038	0.011	0.005		0.010	0.034	0.035					
6	0.024	0.014	0.009		0.015	0.044	0.027			0.029	0.015	
7		0.024			0.009	0.044	0.029			0.026	0.024	
8		0.020			0.012	0.021	0.026			0.014	0.017	
9		0.031			0.010	0.021	0.026	0.034		0.025	0.015	0.018
10		0.029			0.010	0.012	0.025	0.037			0.014	0.018
11			0.015	0.019				0.030		0.018	0.014	0.019
12			0.020	0.009				0.036		0.023	0.014	0.020
13			0.020	0.008				0.040		0.021	0.018	0.016
14			0.018	0.010				0.034		0.025	0.029	0.018
15			0.015	0.019				0.036		0.025	0.025	0.023
16			0.016	0.015				0.023		0.029	0.026	
17			0.013	0.015				0.022		0.026	0.024	
18			0.012	0.017				0.026		0.025	0.024	
19			0.012	0.015				0.044		0.012	0.014	
20			0.015	0.018				0.044		0.011	0.015	
21				0.010				0.031		0.019	0.021	0.019
22				0.016				0.040		0.026	0.019	0.019
23				0.030				0.011		0.014	0.018	0.014
24				0.016				0.014		0.012	0.029	0.009
25				0.016				0.060		0.012	0.032	0.021
26				0.011				0.043		0.011	0.025	0.007
27				0.012				0.050		0.011	0.031	0.007
28				0.029				0.043		0.025	0.030	0.007
29				0.022				0.025		0.024	0.020	0.017
30				0.025				0.032		0.026	0.016	0.017
31				0.011				0.035		0.011	0.021	0.009
<b>MONTHLY MEAN</b>				<b>0.019</b>	<b>0.012</b>			<b>0.026</b>	<b>0.033</b>	<b>0.038</b>		<b>0.016</b>

Table 83 (continued). TOTAL OXIDANTS, DAILY AVERAGES (ppm)

## DENVER (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.018	0.010		0.034	0.030			0.042		0.043	0.017	0.013
2		0.012	0.031	0.037	0.031			0.041	0.033	0.026	0.024	0.012
3	0.006	0.007	0.025	0.031	0.033	0.034		0.045	0.038	0.019	0.033	0.004
4	0.079	0.014	0.024	0.029	0.032	0.035	0.027	0.052	0.038	0.025	0.017	
5	0.012	0.014	0.024	0.032	0.044	0.044	0.045	0.051	0.039	0.063	0.022	0.033
6		0.015	0.022	0.023	0.034	0.036	0.034	0.038	0.048	0.049	0.036	0.017
7	0.014	0.018	0.020	0.031	0.040	0.033	0.060	0.049	0.044	0.029		0.023
8	0.012	0.016	0.023	0.033	0.030	0.037	0.055	0.028	0.040	0.030		0.022
9	0.017		0.026	0.038	0.024	0.031	0.059	0.036	0.046	0.032		0.021
10		0.024	0.023	0.040	0.032	0.038	0.052	0.043	0.037	0.025		0.015
11	0.030	0.009	0.024	0.030	0.034	0.045	0.044		0.047	0.027	0.012	0.019
12	0.018	0.024	0.027	0.035	0.036	0.048			0.043	0.033	0.023	
13	0.014	0.026	0.027	0.038	0.033	0.040				0.026		
14	0.014	0.014		0.045	0.033	0.039		0.053	0.026	0.015	0.040	0.015
15	0.021	0.011		0.030	0.033			0.053	0.021	0.047	0.028	0.017
16	0.020	0.009	0.027	0.032	0.034	0.030	0.066	0.053	0.022	0.021	0.021	0.014
17	0.008	0.015	0.031	0.021	0.036	0.032	0.061	0.043	0.031		0.013	0.016
18	0.021	0.026	0.022	0.018	0.040	0.049		0.054	0.039		0.027	0.019
19	0.008	0.028	0.017	0.025	0.043	0.047		0.024			0.025	0.017
20	0.007	0.030	0.020	0.045	0.045	0.036		0.044			0.011	0.014
21	0.007	0.023	0.021	0.028	0.052	0.057			0.038	0.039		0.025
22	0.015	0.025	0.027	0.027	0.048	0.040		0.035	0.065			0.010
23	0.014	0.021	0.024	0.034	0.051			0.039	0.065			
24	0.005	0.014	0.025	0.026	0.049			0.042	0.030	0.027		0.015
25	0.008	0.012		0.033	0.046	0.050		0.049	0.034	0.022		0.003
26	0.011	0.020	0.039		0.051	0.040						0.005
27	0.004	0.037	0.032		0.048	0.035	0.061	0.051	0.033	0.031		0.010
28	0.011	0.026	0.026	0.027	0.047	0.044	0.060	0.046	0.030	0.019	0.019	0.007
29	0.006	0.011		0.045	0.039			0.047	0.028	0.025	0.025	0.009
30								0.028	0.033	0.029		0.012
31	0.011		0.034		0.028		0.066		0.014			0.017
<b>MONTHLY MEAN</b>	0.013	0.019	0.026	0.033	0.039	0.040		0.045	0.036	0.030	0.022	0.015

## PHILADELPHIA (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC.
1	0.016	0.016	0.015	0.018	0.023	0.022	0.070	0.056		0.020	0.036	0.008
2	0.014	0.016	0.017	0.019	0.025	0.027	0.089	0.050		0.084	0.020	
3	0.018	0.017	0.058	0.020	0.035	0.055	0.082	0.033	0.051	0.083	0.023	0.008
4	0.009	0.014	0.049	0.019	0.017	0.080		0.060	0.034	0.025	0.023	0.003
5	0.007	0.017	0.029	0.019	0.021	0.099		99.999	0.038	0.023	0.040	0.020
6	0.017	0.013	0.022	0.019	0.038	0.052		0.145	0.030	0.025	0.033	0.005
7	0.020	0.004	0.021	0.023	0.028			0.080	0.021	0.037	0.043	0.036
8	0.011	0.037	0.020	0.020	0.036			0.089	0.027	0.055	0.034	0.060
9	0.004	0.056	0.023	0.020	0.028	0.050		0.028	0.030	0.047		0.057
10	0.004	0.017	0.024	0.020	0.020	0.019		0.044	0.048	0.034		0.034
11	0.004	0.027	0.049	0.021	0.012	0.239		0.014		0.035	0.029	0.026
12	0.001	0.032	0.028	0.017		0.327		0.024	0.028	0.023	0.030	
13	0.006	0.016	0.025	0.018		0.326		0.045	0.019	0.045	0.023	0.035
14	0.017	0.037	0.027	0.021	0.027	0.352	0.039	0.008	0.045	0.023	0.035	0.031
15	0.011	0.014	0.029	0.024	0.039	0.338	0.058	0.020	0.034	0.034		
16	0.010	0.019	0.717	0.024		0.244	0.062	0.027	0.041			0.048
17	0.010	0.010	0.032	0.023		0.334	0.067	0.036	0.043			0.058
18	0.006		0.645	0.014		0.359	0.070	0.058				0.044
19	0.008	0.014	0.036	0.016		0.350	0.063	0.071	0.054		0.018	0.018
20	0.010	0.007	0.026	0.014		0.350	0.064	0.057	0.057		0.008	0.026
21	0.016	0.004	0.034	0.029		1.045	0.066	0.042	0.015	0.041	0.007	0.024
22	0.012	0.003	0.036	0.032		0.344	0.081	0.044	0.014	0.045	0.025	0.018
23	0.021	0.008	0.018	0.019		1.055	0.074	0.029	0.029	0.066	0.018	0.014
24	0.013	0.006	0.026			0.357	0.065	0.026	0.027	0.056	0.083	0.017
25	0.009	0.009	0.020			0.371	0.063	0.031	0.024	0.046	0.100	0.023
26	0.012	0.014	0.019	0.029		0.351	0.059	0.043	0.028	0.047	0.040	0.019
27	0.016	0.019	0.018	0.021	0.017	0.365	0.057	0.040	0.016	0.038	0.016	
28	0.007	0.033	0.015	0.021	0.020	1.043	0.025	0.053	0.016	0.180	0.028	0.012
29	0.006	0.011	0.029	0.032	0.040	0.334		0.023	0.093		0.024	
30	0.012		0.016	0.022	0.037	0.338	0.033		0.025	0.035		0.020
31	0.014		0.019		0.024		0.054		0.047			0.021
<b>MONTHLY MEAN</b>	0.011	0.017	0.026	0.021	0.027	0.346	0.059	0.050	0.027	0.050	0.033	0.028

Table 83 (continued). TOTAL OXIDANTS, DAILY AVERAGES (ppm)

## ST. LOUIS (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	NOV.	DEC
1	0.010	0.006	0.019	0.030	0.046	0.068	0.068		0.038	0.028	0.020	0.033
2	0.011	0.008	0.032	0.029	0.040	0.065	0.065		0.040	0.032	0.023	0.026
3	0.008	0.010	0.023	0.023	0.055	0.059	0.061		0.031	0.022	0.020	0.026
4	0.007	0.010	0.023	0.028	0.057	0.060	0.078		0.037	0.024	0.026	0.037
5	0.022	0.021	0.023	0.025	0.061	0.063	0.050		0.031	0.023	0.023	0.046
6	0.007	0.030		0.030	0.054	0.058	0.045	0.070		0.051	0.020	0.041
7	0.007	0.020	0.021	0.039	0.059	0.070	0.049	0.059		0.023	0.025	0.041
8	0.019	0.026	0.026	0.034	0.055	0.046	0.056	0.065		0.023	0.024	0.036
9	0.010	0.019	0.026	0.038	0.043		0.045	0.044		0.014	0.030	0.031
10	0.014	0.020	0.033	0.061	0.047		0.045	0.020	0.039	0.014		
11	0.070	0.024	0.049	0.031	0.044	0.043		0.036	0.044	0.028	0.034	0.031
12	0.017	0.029	0.038	0.027	0.040	0.047		0.044	0.035	0.039	0.022	
13	0.015	0.012	0.033	0.031	0.036	0.037		0.028	0.066	0.020	0.039	0.027
14	0.023	0.016	0.049	0.022	0.064	0.038		0.030	0.020	0.020	0.084	0.033
15	0.020	0.021	0.050	0.055	0.049	0.035		0.023	0.016	0.017	0.075	
16	0.008	0.015	0.052	0.064	0.064	0.036				0.021	0.063	
17	0.010	0.010	0.047	0.073	0.057	0.048				0.035	0.061	
18	0.010	0.019	0.043	0.049	0.059	0.059				0.020	0.060	
19	0.013	0.011	0.055	0.043	0.053	0.064				0.025	0.042	
20	0.014	0.010	0.060	0.040	0.061	0.060				0.028	0.053	
21	0.013	0.011		0.039	0.050	0.073				0.032	0.032	0.061
22			0.068	0.052	0.056	0.059				0.029	0.055	
23	0.012	0.015		0.045	0.051	0.058				0.034	0.038	0.053
24	0.006	0.019		0.060	0.062	0.062				0.042	0.064	0.051
25	0.004	0.021		0.019	0.054	0.055	0.037			0.022	0.028	0.044
26	0.011	0.020	0.032	0.044	0.068	0.043	0.059			0.045	0.040	
27	0.028	0.019	0.036	0.054	0.059	0.052	0.047			0.019	0.044	0.024
28	0.001	0.018	0.016	0.036	0.062	0.065	0.046			0.035	0.043	0.035
29	0.007		0.039	0.046	0.045	0.060	0.035			0.027	0.022	0.035
30	0.079		0.031	0.042	0.057	0.066	0.053	0.056	0.019		0.024	0.031
31	0.005		0.032		0.061		0.066	0.044			0.024	
MONTHLY MEAN	0.011	0.017	0.038	0.040	0.054	0.056	0.054		0.032	0.030	0.040	

## WASHINGTON (CAMP Station)

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT	NOV	DEC
1	0.019	0.021	0.012	0.018	0.022	0.068	0.049	0.067	0.010	0.025	0.034	
2	0.011	0.016	0.025	0.019	0.015	0.025	0.044	0.036	0.053	0.023	0.021	0.004
3	0.010	0.012	0.032	0.012	0.020	0.038	0.053	0.040	0.062	0.043	0.022	
4	0.011	0.023	0.008	0.008	0.023	0.059	0.033	0.039	0.017	0.017	0.024	0.005
5	0.007	0.008	0.019	0.012	0.028	0.057	0.030	0.042	0.012	0.012	0.024	
6	0.016	0.007	0.014	0.012	0.034	0.037	0.028	0.099	0.032		0.023	0.029
7	0.006	0.008	0.019	0.035	0.032	0.029	0.057	0.023			0.036	0.038
8	0.024	0.009	0.019	0.034	0.030	0.030	0.039	0.041			0.028	0.019
9	0.006	0.026	0.009	0.019	0.015	0.022	0.039	0.014	0.036		0.028	0.020
10	0.007	0.034	0.016	0.022	0.016	0.024	0.036	0.033	0.049		0.023	0.017
11	0.059	0.020		0.026	0.041	0.023	0.017	0.089			0.024	0.011
12	0.003	0.043	0.025	0.019	0.030	0.043		0.026	0.041		0.016	
13	0.003	0.024	0.023	0.018	0.032	0.038	0.036	0.019	0.016		0.016	
14	0.004	0.019	0.019	0.024	0.025	0.032	0.034	0.031	0.014		0.018	
15	0.005	0.021	0.024	0.040	0.056	0.032	0.026	0.018	0.014		0.019	
16	0.010	0.022	0.022	0.039	0.050	0.028	0.056	0.029	0.034		0.032	
17	0.007	0.015	0.022	0.042	0.051	0.025	0.055	0.037	0.052		0.022	0.039
18	0.005	0.019	0.029	0.033	0.032	0.032	0.064	0.044		0.008	0.035	0.023
19	0.005	0.027	0.026	0.034	0.026	0.054	0.041	0.044	0.047	0.009	0.010	0.006
20	0.006	0.013	0.022	0.031	0.043	0.045	0.026	0.029	0.011	0.011	0.010	0.013
21	0.009	0.010	0.025	0.022	0.064	0.051	0.038	0.057	0.020	0.017	0.019	0.014
22	0.011	0.013	0.033	0.014	0.040	0.054	0.059	0.049	0.019	0.038	0.020	
23	0.016	0.016	0.035	0.014	0.045	0.056	0.047	0.049	0.020	0.022	0.080	0.006
24	0.006	0.020	0.019	0.020	0.036	0.049	0.031	0.036	0.025	0.011	0.054	0.007
25	0.006	0.021	0.018	0.022	0.024	0.024	0.038	0.019	0.004	0.039	0.010	
26	0.004	0.024	0.019		0.030	0.015	0.064	0.049	0.016	0.020	0.026	
27	0.006	0.017	0.018	0.017	0.015	0.064	0.055	0.049	0.022	0.036	0.039	
28	0.001	0.021	0.013	0.018	0.021	0.021	0.024	0.036	0.025	0.038	0.023	0.029
29	0.001		0.010	0.008	0.037		0.034	0.063	0.019	0.027	0.013	0.015
30	0.000		0.016	0.009	0.035		0.011	0.066	0.024	0.013	0.005	0.006
31	0.003		0.016		0.027		0.051	0.063		0.009		0.015
MONTHLY MEAN	0.007	0.020	0.020	0.021	0.032	0.039	0.040	0.042	0.034	0.018	0.027	0.016

Table 84. AMMONIA, SUMMARY OF BI-WEEKLY SAMPLING

STATION	SAMPLES	NUMBER OF	MICROGRAMS PER CUBIC METER				STD GEO
			MIN	MAX	ARITH MEAN	GEO MEAN	
EL DORADO ARKANSAS	1		95	95	95		
DENVER COLORADO	9		0	272	108		
HARTFORD CONNECTICUT	8		0	337	162		
NEW HAVEN CONNECTICUT	11		0	194	69		
WILMINGTON DELAWARE	9		0	267	57		
EAST CHICAGO INDIANA	15		0	313	94		
INDIANAPOLIS INDIANA	9		0	108	29		
MONROE INDIANA	11		0	270	111		
DES MOINES IOWA	8		0	368	97		
DUBUQUE IOWA	9		0	297	78		
COVINGTON KENTUCKY	6		0	272	89		
BALTIMORE MARYLAND	9		24	328	139		
DETROIT MICHIGAN	10		0	288	91		
MINNEAPOLIS MINNESOTA	16		0	217	93		
KANSAS CITY MISSOURI	6		0	66	29		
ST LOUIS MISSOURI	6		0	149	49		
MARLTON NEW JERSEY	9		0	248	56		
CAMDEN NEW JERSEY	10		18	558	172		
GLASSBORO NEW JERSEY	13		0	211	82		
NEWARK NEW JERSEY	10		0	245	75		
BUFFALO NEW YORK	9		19	152	81		
NEW YORK CITY NEW YORK	8		0	119	56		
CLEVELAND OHIO	17		0	251	85		
DAYTON OHIO	10		0	448	120		
YOUNGSTOWN OHIO	9		0	274	77		
OKLAHOMA CITY OKLAHOMA	11		0	189	54		
PORTLAND OREGON	8		0	685	125		
PITTSBURGH PENNSYLVANIA	11		0	182	77		
WARMINTON PA	16		0	274	65		
WEST CHESTER PA	13		0	292	101		
BAYAMON PUERTO RICO	4		0	102	52		
GUAYANILLA PUERTO RICO	8		0	226	64		
PROVIDENCE RHODE ISLAND	7		0	36	6		
CHATTANOOGA TENNESSEE	8		0	267	102		
NASHVILLE TENNESSEE	5		0	75	42		
EL PASO TEXAS	7		0	274	148		
SALT LAKE CITY UTAH	7		0	269	92		
SEATTLE WASHINGTON	6		0	179	54		
CHARLESTON WEST VIRGINIA	6		26	270	128		
MILWAUKEE WISCONSIN	17		0	211	65		

## NOTE:

To convert  $\text{NH}_4$  concentrations from micrograms per cubic meter to parts per million, multiply by  $1.44 \times 10^{-3}$ .

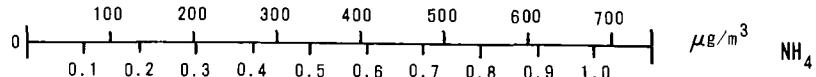


Table 85. NITROGEN DIOXIDE, SUMMARY OF BI-WEEKLY SAMPLING.

STATION	NUMBER OF SAMPLES	MICROGRAMS PER CUBIC METER				STD GEO DEV
		MIN	MAX	ARITH MEAN	GEO MEAN	
EL DORADO ARKANSAS	4	72	127	105		
DENVER COLORADO	25	5	267	68	51	2.19
HARTFORD CONN	24	18	507	161	110	2.61
NEW HAVEN CONN	24	20	448	139	99	2.42
WILMINGTON DELAWARE	24	32	384	144	109	2.20
WASHINGTON DC	22	150	511	271	256	1.42
CHICAGO ILLINOIS	19	123	619	333		
EAST CHICAGO INDIANA	25	21	287	163	145	1.74
EVANSVILLE INDIANA	23	47	310	185	169	1.59
INDIANAPOLIS INDIANA	25	11	405	103	77	2.21
MONROE INDIANA	9	35	92	68		
NEW ALBANY INDIANA	17	59	352	175		
DES MOINES IOWA	22	8	271	82	60	2.31
DUBUQUE IOWA	15	57	307	189		
COVINGTON KENTUCKY	7	78	213	149		
BALTIMORE MARYLAND	22	28	276	75	64	1.70
DETROIT MICHIGAN	25	7	304	78	64	1.93
MINNEAPOLIS MINNESOTA	30	20	346	112	83	2.20
KANSAS CITY MISSOURI	25	5	309	136	100	2.60
ST LOUIS MISSOURI	17	44	223	89		
MARLTON NEW JERSEY	15	48	329	186		
CAMDEN NEW JERSEY	18	104	466	262		
GLASSBORO NEW JERSEY	20	70	363	167	151	1.59
JERSEY CITY NEW JERSEY	16	102	543	315		
NEWARK NEW JERSEY	24	32	454	191	150	2.13
BUFFALO NEW YORK	19	94	297	169		
NEW YORK CITY NEW YORK	22	40	519	228	171	2.32
CINCINNATI OHIO	20	81	416	234	221	1.44
CLEVELAND OHIO	24	47	428	191	166	1.76
DAYTON OHIO	26	13	362	78	61	1.92
YOUNGSTOWN OHIO	26	33	337	105	82	1.99
OKLAHOMA CITY OKLAHOMA	16	102	293	201		
PORTLAND OREGON	22	24	141	62	57	1.54
PHILADELPHIA PA	17	121	480	288		
PITTSBURGH PENNSYLVANIA	26	6	386	95	74	2.10
WARMINSTER PA	20	17	242	130	113	1.86
WEST CHESTER PA	15	68	353	154		
BAYAMON PUERTO RICO	21	7	110	33	27	1.84
GUAYANILLA PUERTO RICO	23	8	106	23	19	1.76
PROVIDENCE RHODE ISLAND	22	13	256	99	76	2.14
CHATTANOOGA TENNESSEE	24	9	299	66	52	1.98
NASHVILLE TENNESSEE	18	32	179	65		
EL PASO TEXAS	17	8	239	73		
SALT LAKE CITY UTAH	21	17	382	109	76	2.38
SEATTLE WASHINGTON	23	4	256	93	66	2.66
CHARLESTON WEST VIRGINIA	21	27	165	68	63	1.49
MILWAUKEE WISCONSIN	26	44	253	142	127	1.66

**Table 86. SULFUR DIOXIDE, SUMMARY OF BI-WEEKLY SAMPLING.**

STATION	NUMBER OF SAMPLES	MICROGRAMS PER CUBIC METER				STD GEO DEV
		MIN.	MAX.	ARITH. MEAN	GEO MEAN	
ELDORADO ARKANSAS	4	4	7	6	5	1.93
DENVER COLORADO	22	5	48	18	15	1.99
HARTFORD CONNECTICUT	25	17	155	62	49	2.92
NEW HAVEN CONNECTICUT	24	2	318	101	69	2.25
WILMINGTON DELAWARE	24	18	492	111	80	2.06
WASHINGTON DC	21	27	309	90	68	2.55
CHICAGO ILLINOIS (CAMP)	19	49	469	221	135	2.51
EAST CHICAGO INDIANA	26	9	448	107	75	2.14
EVANSVILLE INDIANA	22	18	184	66	49	2.36
INDIANAPOLIS INDIANA	22	4	137	54	40	2.36
MONROE INDIANA	8	3	18	10	9	1.95
NEW ALBANY INDIANA	15	5	176	38	28	2.00
DES MOINES IOWA	23	2	36	13	9	3.13
DUBUQUE IOWA	15	5	99	16	12	4.13
COVINGTON KENTUCKY	25	6	72	35	29	1.98
BALTIMORE MARYLAND	21	21	246	107	88	2.17
DETROIT MICHIGAN	26	1	83	16	9	2.39
MINNEAPOLIS MINNESOTA	25	1	275	44	17	2.58
KANSAS CITY MISSOURI	25	2	30	12	9	1.69
ST LOUIS MISSOURI	18	26	264	132	100	2.05
MARLTON NEW JERSEY	15	2	97	42	30	2.46
CAMDEN NEW JERSEY	16	64	248	134	83	2.51
GLASSBORO NEW JERSEY	19	11	73	43	35	2.06
NEWARK NEW JERSEY	24	25	410	174	135	2.17
BUFFALO NEW YORK	19	5	63	25	22	1.78
NEW YORK CITY NEW YORK	22	114	720	346	297	1.78
CINCINNATI OHIO	19	15	141	44	33	2.46
CLEVELAND OHIO	26	5	276	78	56	2.46
DAYTON OHIO	23	3	139	49	35	2.51
YOUNGSTOWN OHIO	25	11	204	66	52	2.06
OKLAHOMA CITY OKLAHOMA	16	2	19	10	15	2.66
PORTLAND OREGON	22	2	96	22	83	1.69
PITTSBURGH PENNSYLVANIA	26	29	211	93	64	2.00
WARMINSTER PENNSYLVANIA	19	2	85	33	30	1.84
WEST CHESTER PENNSYLVANIA	18	2	54	19	18	4.48
BAYAMON PUERTO RICO	21	2	28	8	6	3.80
GUAYANILLA PUERTO RICO	23	1	13	4	3	2.78
PROVIDENCE RHODE ISLAND	22	4	415	125	56	2.58
CHATTANOOGA TENNESSEE	24	1	99	34	17	2.39
NASHVILLE TENNESSEE	26	3	111	29	20	2.26
EL PASO TEXAS	18	2	254	63	22	2.08
SALT LAKE CITY UTAH	22	3	144	20	11	2.58
SEATTLE WASHINGTON	22	3	122	35	25	2.39
CHARLESTON WEST VIRGINIA	21	4	174	29	20	2.26
MILWAUKEE WISCONSIN	26	5	97	28	22	2.08

Table 87. SULFATION RATE (mg SO<sub>3</sub>/100cm<sup>2</sup>-day)

Station	Years	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
ARIZONA TUCSON	66			0.71	0.05	0.22	0.20	0.05	0.11	0.16	0.11	0.29	0.36
COLORADO DENVER <sup>a</sup>	66		0.05	0.63	0.05	0.32	0.19	0.21	0.10	0.24	0.30	0.22	0.35
DELAWARE KENT CO <sup>b</sup>	66				0.57	0.22			0.54	0.72	0.40	0.60	0.72
DIST OF COLUMBIA WASHINGTON <sup>a</sup>	66	1.95	1.92	1.43	1.01	0.77	0.56	0.70	0.72	1.14	1.31	2.11	
IDAHO BOISE CITY	66			0.69	0.05	0.50	0.07	0.05	0.05	0.06	0.06	0.06	0.15
ILLINOIS CHICAGO <sup>a</sup>	66	0.60	4.87	3.36	1.96	1.75	1.25	1.90	1.59	1.00	2.80	9.10	
ICWA DUBUQUE	66			1.57	1.12	0.98	0.58	0.80	0.64	0.86	0.62	0.92	0.62
KENTUCKY ASHLAND	66			0.05	0.48	0.43	0.19	0.18	0.15	0.21	0.23	0.28	0.26
LOUISVILLE	66			1.42	0.89	0.64	0.58	0.75	0.94	0.89	1.09	1.10	2.52
MINNESOTA ST PAUL	66			1.01	0.76	0.51	0.42	0.29	0.50	0.43	0.35	0.26	0.77
MISSISSIPPI JACKSON	66			0.54	0.05	0.66	0.09	0.05	0.07	0.09	0.11	0.08	0.13
MISSOURI ST LOUIS <sup>a</sup>	66	2.52	2.22	1.79	1.92	1.60	1.04	1.45	1.33	1.39	1.13	2.28	
NEBRASKA OMAHA	66			0.79	0.16	0.34	0.22	0.18	0.18	0.18	0.19	0.26	0.44
NEVADA LAS VEGAS	66			0.59	0.05	0.26	0.08	0.05	0.06	0.08	0.07	0.06	0.11
WHITE PINE CO <sup>b</sup>	66				0.05	0.60	0.05	0.05	0.05	0.07		0.05	0.08
NEW HAMPSHIRE CONCORD	66			0.98	0.38	0.49	0.26	0.16	0.24	0.22	0.24	0.22	0.74
NORTH CAROLINA CHARLOTTE	66			0.94	0.35	0.34	0.28	0.27	0.27	0.33	0.35	0.33	0.89
OHIO CINCINNATI <sup>a</sup>	66	1.50	1.17	1.41	0.76	0.61	0.24	0.72	0.69	2.33	0.98	1.54	
PENNSYLVANIA LANCASTER	66			1.12	1.33	0.43	0.36	0.28	0.34	0.29	0.49	0.53	1.04
PHILADELPHIA <sup>a</sup>	66	0.15	2.49	2.07	1.44	1.94	1.69	1.74	1.16	1.69	1.54	3.01	
SOUTH CAROLINA COLUMBIA	66			0.71	0.05	0.62	0.17	0.05	0.08	0.12	0.14	0.22	0.15
TENNESSEE MEMPHIS	66			0.84	0.17	0.27	0.26	0.18	0.26	0.22	0.20	0.21	0.55
VERMONT BURLINGTON	66			1.34	0.66	0.33	0.35	0.26	0.26	0.45	0.65	0.62	0.70
VIRGINIA SHENANDOAH PK <sup>b</sup>	66			0.90	0.05	0.44	0.09	0.05	0.07	0.08	0.07	0.05	0.13

<sup>a</sup> Camp site<sup>b</sup> Nonurban

Table 88. SUSPENDED PARTICULATES, COLORADO STATE NETWORK

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter											Std Geo Dev		
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
BOULDER			31	34	37	45	51	57	63	70	79	94	173	62	58	1.48
BLDR HLTH BLDG	66	48	31	34	37	45	51	57	63	70	79	94	173	62	58	1.48
BLDR COURTHOUSE	66	108	20	35	46	52	62	69	74	81	87	106	154	70	65	1.50
BROOMFIELD	66	90	9	27	36	41	46	51	58	66	73	86	127	55	49	1.61
CENTRAL FIRE STA	66	44	16	47	59	67	76	91	97	105	118	146	197	91	83	1.57
LONGMONT	66	97	8	55	62	77	88	99	110	126	162	192	255	110	97	1.72
DENVER BLDG DEPT																
5105 E 36TH AVE	66	100	18	46	53	59	65	73	81	89	102	120	256	79	73	1.48
NORTH HIGH SCHOOL	66	99	24	57	69	80	91	104	117	132	152	178	273	114	103	1.58
SCHOOL ADM BLDG	66	103	26	67	79	90	99	111	126	142	161	192	286	120	111	1.51
SEWER PLANT	66	82	49	82	103	136	163	185	215	237	265	300	689	195	171	1.69
1050 S BROADWAY	66	108	47	71	82	90	100	111	128	141	154	181	248	120	113	1.63
STATE HLTH BLDG	66	109	23	40	46	54	59	63	70	79	88	114	219	71	65	1.48
COLORADO SPRINGS																
205 W RIO GRANDE	66	115	33	52	60	70	79	89	101	116	135	163	243	100	91	1.55
MANITOU SPRINGS	66	26	46	54	59	70	79	87	99	108	120	128	186	93	87	1.44
JEF CO HLTH DEPT																
LAKWOOD	66	104	15	39	47	52	58	65	74	80	89	115	274	71	65	1.55
MES CO HLTH DEPT																
GLENWOOD SPRINGS	66	71	33	58	76	86	95	104	117	132	146	190	384	117	105	1.59
HEALTH DEPT	66	91	23	35	50	64	70	77	90	102	117	152	251	89	78	1.69
MONROSE	66	72	35	57	69	80	91	99	107	121	143	175	339	109	98	1.57
PUEBLO HLTH DEPT																
BELMONT	66	100	29	46	53	59	65	73	81	88	101	122	297	82	75	1.49
EVANS AND MESA	66	82	67	84	97	115	130	142	156	174	210	304	413	164	148	1.54
FIRE STA NO 5	66	107	31	51	61	69	76	86	97	113	132	173	261	100	90	1.58
FIRE STA NO 2	66	64	46	66	76	88	99	108	121	139	156	181	345	118	109	1.49
HEALTH DEPT BLDG	66	94	57	76	97	107	122	136	149	167	190	251	452	153	139	1.53
SUNSET PARK	66	99	28	63	73	91	102	112	122	137	155	191	308	121	111	1.54
S JUAN HLTH UNIT																
FIRE STATION	66	113	22	48	60	70	80	92	102	112	125	148	282	96	88	1.55
TRI-CO HLTH DEPT																
ADAMS CITY	66	101	13	65	78	93	108	123	141	165	192	225	388	136	121	1.66
AURORA	66	83	34	50	59	66	73	83	94	105	117	133	229	89	83	1.47
ENGLEWOOD	66	111	37	51	61	73	82	92	102	125	152	179	269	107	96	1.57
NE COL HLTH DEPT																
STERLING	66	106	28	44	52	60	68	80	89	101	118	138	363	87	78	1.58
LARIMER CO H DPT																
FT COLLINS	66	104	13	49	60	68	75	88	98	107	123	152	252	95	85	1.61
LAS ANIMAS H DPT																
TRINIDAD	66	93	32	54	66	74	82	93	105	122	157	202	260	110	98	1.62
WELD CO HLTH DPT																
FIRE ST 2, GREENLEY	66	30	22	32	38	47	54	66	74	90	114	122	139	73	65	1.67
GREELEY	66	106	11	45	57	68	77	87	106	121	144	175	245	101	87	1.80

Table 89. BENZENE-SOLUBLE ORGANICS, COLORADO STATE NETWORK

Location: Region, State or Station	Years	Number of Samples	Micrograms Per Cubic Meter												Std Geo Dev	
			Min	Frequency Distribution—Percent									Max	Arith Mean	Geo Mean	
				10	20	30	40	50	60	70	80	90				
BOULDER																
BLDR HLTH BLDG	66	48	1.2	1.8	2.5	2.9	3.4	4.0	4.5	4.9	5.2	6.6	9.8	4.1	3.7	1.61
BLDR COURTHOUSE	66	106	1.6	2.7	3.4	3.9	4.3	4.8	5.6	6.7	8.5	10.7	17.7	6.0	5.2	1.68
BROOMFIELD	66	89	.7	1.4	2.2	2.9	3.4	3.9	4.3	5.0	6.4	10.3	14.9	4.8	3.8	1.97
CENTRAL FIRE STA	66	42	1.0	2.6	3.5	4.5	5.1	5.7	7.3	9.0	11.3	14.5	19.6	7.4	6.1	1.94
LONGMONT	66	96	1.4	2.4	3.1	4.0	4.8	6.1	7.1	9.3	12.0	16.6	34.5	8.2	6.2	2.09
DENVER BLDG DEPT																
5105 E 38TH AVE	66	100	1.6	3.1	3.9	4.8	5.5	6.4	7.7	9.2	11.9	15.7	24.0	8.0	6.6	1.88
NORTH HIGH SCHOOL	66	99	2.4	4.5	5.5	6.4	7.7	8.8	10.0	11.7	14.5	19.2	33.4	10.4	8.9	1.75
SCHOOL ADM BLDG	66	103	2.1	4.1	5.8	7.4	8.2	9.4	10.9	13.2	15.6	21.5	36.9	11.3	9.4	1.85
SEWER PLANT	66	80	3.4	5.2	6.8	8.7	10.8	13.8	17.5	20.2	23.5	29.7	42.1	15.7	13.0	1.91
1050 S BROADWAY	66	107	3.1	5.6	8.0	10.0	11.7	13.4	15.0	17.0	19.7	23.5	42.5	14.4	12.6	1.69
STATE HLTH BLDG	66	109	1.0	2.9	4.1	5.0	5.6	6.2	6.8	7.9	9.5	12.8	38.5	7.5	6.3	1.81
COLORADO SPRINGS																
205 W RIC GRANDE	66	114	1.4	2.7	3.6	4.4	5.2	6.2	7.0	8.2	9.6	12.2	21.6	7.0	5.9	1.79
MANITOU SPRINGS	66	26	2.2	3.4	4.4	4.8	5.1	5.5	5.9	6.2	8.2	9.2	11.6	6.0	5.6	1.47
JEFF CO HLTH DEPT																
LAKWOOD	66	102	1.0	2.2	2.7	3.4	3.8	4.3	4.8	5.5	6.8	11.3	18.9	5.3	4.5	1.77
MES CO HLTH DEPT																
GLENWOOD SPRINGS	66	69	1.7	3.1	4.1	4.6	5.1	5.8	6.4	7.0	8.7	10.9	19.6	6.7	5.9	1.65
HEALTH DEPT	66	90	1.4	3.4	4.8	5.5	6.1	7.0	7.9	8.7	10.8	14.0	21.6	8.0	7.0	1.71
MONROSE	66	71		3.3	3.9	4.6	5.1	6.0	6.7	7.4	8.4	10.9	24.6	6.6	5.6	2.09
PUEBLO HLTH DEPT																
PELMONT	66	98	.9	2.3	2.8	3.3	3.9	4.6	5.3	6.4	7.3	10.8	22.1	5.6	4.6	1.85
EVANS AND MESA	66	82	3.1	4.5	5.3	6.1	7.4	8.3	9.4	11.0	13.5	18.3	33.6	10.0	8.8	1.71
FIRE STA NO 5	66	107	1.3	2.3	2.9	3.4	4.2	5.0	6.0	6.8	7.9	9.9	17.2	5.7	4.9	1.74
FIRE STA NO 2	66	64	2.3	3.3	4.9	5.8	6.8	7.9	10.5	11.6	13.7	16.8	29.7	9.6	8.1	1.83
HEALTH DEPT BLDG	66	94	1.5	4.1	4.8	5.4	6.2	6.9	8.0	10.5	12.2	16.7	26.3	8.8	7.5	1.77
SUNSET PARK	66	99	1.4	2.7	3.5	4.1	4.7	5.3	6.0	7.4	9.1	14.5	23.2	6.8	5.7	1.81
S JUAN HLTH UNIT																
FIRE STATION	66	112	.9	2.3	2.8	3.3	3.9	4.4	4.9	5.5	6.4	9.1	17.3	5.1	4.4	1.68
TRI-CO HLTH DEPT																
ADAMS CITY	66	101	2.0	2.9	3.7	4.9	6.6	9.3	11.3	14.9	20.5	26.6	45.0	12.0	8.9	2.25
AURORA	66	82	.8	2.6	3.7	4.9	5.5	5.8	6.2	7.7	9.8	14.5	28.8	7.4	6.0	1.95
ENGLEWOOD	66	110	2.0	3.7	4.6	5.5	6.6	7.7	8.6	10.8	13.9	20.5	35.8	9.9	8.1	1.89
NE COL HLTH DEPT																
STERLING	66	105	1.1	2.7	3.2	3.8	4.3	4.9	5.4	6.1	8.4	11.4	23.5	5.9	5.1	1.72
LARIMER CO H DPT																
FT COLLINS	66	103	1.1	2.7	3.4	4.0	4.6	5.3	6.5	7.8	9.3	13.7	34.4	7.0	5.7	1.87
LAS ANIMAS H DPT																
TRINIDAD	66	90	1.1	2.2	2.6	3.0	3.6	4.2	4.7	5.2	6.1	7.0	10.6	4.4	4.0	1.56
WELD CO HLTH DPT																
FIRE ST 2, GREELEY	66	30	1.6	2.6	3.5	4.1	4.6	5.2	6.6	7.3	10.9	12.8	14.5	6.6	5.7	1.77
GREELEY	66	106	1.3	2.4	3.4	4.1	4.8	5.8	7.3	8.9	11.7	15.6	36.2	8.0	6.2	2.03