AIR QUALITY DATA FOR 1967

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

Revised 1971

U.S. ENVIRONMENTAL PROTECTION AGENCY

AIR QUALITY DATA FOR 1967
from the
National Air Surveillance Networks

Revised 1971

Division of Atmospheric Surveillance

ENVIRONMENTAL PROTECTION AGENCY
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PREFACE

The Division of Atmospheric Surveillance of the Environmental Protection Agency (EPA) with the assistance and cooperation of state and local agencies, carries on a variety of air sampling activities to obtain information about the air quality in the United States. This report summarizes data on particulate and gaseous pollutants gathered during 1967 at the cooperating stations of the various National Air Surveillance Networks (NASN) 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 Division of Atmospheric Surveillance. The data on chemical components by the particulate matter in the air are generally for 1966, 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.

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 Environmental Protection Agency offers sincere thanks to these organizations and to their employees.

Gratitude is also due the agencies that have contributed their own data to the Administration'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.

The names of these supporting agencies are listed below, by state.

California
- California State Department of Public Health
- Santa Clara County Health Department

Colorado
- Boulder County Health Department
- Boulder Health Department
- Colorado State Health Department
- Denver Building Department
- El Paso County Health Department
- Jefferson County Health Department
- Larimer County Health Department
- Las Animas Huerfano District Health Department
- Mesa County Health Department
- Northeast Colorado Health Department
- Pueblo Health Department
- Tri-County Health Department
- Weld County Health Department

Connecticut
- Connecticut State Department of Health

Florida
- Florida State Board of Health

Georgia
- Georgia Department of Public Health

Illinois
- Cook County Air Pollution Control Bureau
- Rockford City Department of Public Health
- Springfield Department of Public Health

Massachusetts
- Brockton City Health Department

Massachusetts (continued)

Massachusetts Department of Public Health
Springfield City Health Department

New York

City of New York, Department of Air Pollution Control
Elmira City Maintenance Department
Erie County Health Department
Glen Cove City Department of Public Works
Monroe County Health Department
Schenectady City Health Department
State of New York, Department of Health
Utica City Health Department

Ohio

City of Cincinnati, Division of Air Pollution Control and Heating Inspection
City of Steubenville Air Pollution Bureau
Lorain City Department of Public Service
Ohio Department of Health

South Carolina

South Carolina Pollution Control Authority

Texas

Austin City County Health Department
Health Department of Pasadena
Houston City Health Department
Texas State Department of Health

Washington

Clark County Air Pollution Control Authority
Puget Sound Air Pollution Control Agency
Snohomish County Health Department
Washington State Health Department

Wisconsin

Wisconsin State Board of Health

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SECTION 1.
INTRODUCTION AND SUMMARY

AIR QUALITY DATA, 1967

(REVISED)

INTRODUCTION

Today's National Air Surveillance Networks (NASN) 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, the National Air Sampling Network (presently called the National Air Surveillance Networks) was established in January of 1957, to routinely monitor suspended particulate matter 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. The number of urban stations operating in 1967 was 127; the number of nonurban stations was 30.

Since 1957, network operations have expanded also in the number and types of pollutants measured. The constituent pollutants measured in particulate samples collected by high-volume air samplers are listed in Table 1-1. During 1959 and 1960, limited 24-hour bubbler sampling for the gases nitrogen dioxide (NO_2) and sulfur dioxide (SO_2) began at a few stations. The number of stations has since increased to 50, and operations have been experimentally expanded to sample for aldehydes, ammonia, and total oxidants, in addition to the original two gases. The Continuous Air Monitoring Projects, begun in 1962, gather detailed data in six cities where continuously operating instruments record levels of gaseous carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants every 5 minutes.

In 1966, a 25-station lead peroxide candle network began operation to provide sulfation rate information and to permit comparative studies of this traditional, inexpensive SO_x monitoring method. The network operated 42 stations in 1967, and the data are included herein. Since then, the operations have been suspended in favor of additional efforts in the more definite types of sampling.

With the reorganization of the Public Health Service on January 1, 1967, the network sampling operations were collectively 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; and in January 1969, the Air Quality and Emission Data Program was redesignated the Division of Air Quality and Emission Data (DAQED). In December 1970 NAPCA became a part of the newly-established Environmental Protection Agency (EPA), and DAQED became the Division of Atmospheric Surveillance (DAS). Together with other EPA divisions DAS conducts numerous special studies involving air sampling, but the majority of the EPA air quality surveillance data is collected by the National Air Sampling Network (NASN): the suspended particulate matter, or Hi-vol network; the gas-sampling network; and the continuous Air Monitoring Projects (CAMP).

These networks are operated in cooperation with appropriate state or local agencies. The Division of Atmospheric Surveillance generally provides equipment, supplies, and laboratory analytical services, and the cooperating agency provides the sampling site and the manpower. In addition to assisting the EPA sampling program, many state and local air pollution control agencies operate their own monitoring networks in support of their own air pollution control programs. Many such agencies contribute their data to EPA's air quality data bank, and these data are included in EPA publications.

SUMMARY OF AIR QUALITY MEASUREMENTS

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

Summarized in Table 1-1 are data on suspended particulate matter and on three gases routinely measured at the 24-hour gas sampling stations: sulfur dioxide, nitrogen dioxide, and aldehydes. Total oxidants and ammonia were measured on an experimental basis in 1967, but no data are reported here.

PARTICULATE AVERAGES BY POPULATION CLASS

Table 1-3 presents a distribution of NASN and contributing agency stations in 401 cities with respect to the 1957 through 1967 average suspended particulate matter and population. Nine population classes are defined, in addition to 10 ranges of average particulate concentration with the overall range of from less than 40 $\mu g/m^3$ to more than 200 $\mu g/m^3$. The number of cities for each combination of population class and particulate level is given, along with totals for each population class and particulate level. Clearly, the larger cities have no monopoly on the upper range of particulate concentration.

Table 1-4 considers 25 nonurban sites and categorizes them both by particulate levels and by urban proximity.

CAMP DATA ON GASEOUS POLLUTANTS

Annual averages for each of the six CAMP stations for the last 5 years, 1963 through 1967, are summarized in Table 1-5. Because these stations are too few in number to represent a national average, the CAMP data do not appear in Table 1-1.

Because 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 1-6 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. Data for the last 4 years, 1964 through 1967, are presented. Previously published summaries of 1964 through 1965 oxidant may be slightly different from the summaries in Table 1-6 because some summaries in the past excluded maximum hourly concentrations not occurring between 11:00 a.m. and 5:00 p.m., and considered instead the highest hourly value occurring during this 6-hour interval.

EMISSION DATA

Estimates of nationwide emissions for five pollutants are presented in Table 1-7. The data are for 1966, except the sulfur oxides data, which are for 1967. Some of the totals are higher than previous NAPCA estimates, because of the inclusion of sources not previously considered. For example, emission estimates have been included for forest fires, burning coal refuse banks, and an increased

Table 1-1. NATIONAL SUMMARY OF AIR QUALITY DATA

($\mu g/m^3$, except as noted)

Pollutant	Urban			Nonurban		
	Number of stations	Arithmetic average	Maximum station average	No. of stations	Arithmetic average	Maximum station average
Suspended particulate matter (1967)	316	97	299	34	35	61
Fractions						
Benzene-soluble organic (1967)	182	6.4	19.7	29	2.4	5.1
Benzo(a)pyrene (1967, ng/m^3)	115	2.64	9.83	30	0.29	2.10
Ammonium (1966)	100	0.9	8.2	29	0.4	1.0
Ammonium (1967)	118	1.2	10.1	30	0.4	1.0
Nitrate (1966)	100	1.7	5.2	29	0.5	1.1
Nitrate (1967)	118	1.8	4.8	30	0.5	1.2
Sulfate (1966)	120	9.9	27.2	29	4.8	10.1
Sulfate (1967)	128	9.4	32.2	30	4.5	10.9
Gases						
Nitrogen dioxide (1967)	47	148	336			
Sulfur dioxide (1967)	47	61	364			

Table 1-2. MINIMUM DETECTABLE CONCENTRATIONS OF INORGANIC CONSTITUENTS[a]

($\mu g/m^3$)

Metal	Urban	Nonurban
Antimony	0.04	0.006
Beryllium	0.0002	0.00007
Bismuth	0.001	0.0002
Cadmium	0.01	0.0005
Chromium	0.006	0.0002
Cobalt	0.006	0.0002
Copper	0.01	0.002
Iron	0.08	0.006
Lead	0.04	0.006
Manganese	0.01	0.006
Molybdenum	0.003	0.0005
Nickel	0.006	0.002
Tin	0.006	0.002
Titanium	0.002	0.00048
Vanadium	0.003	0.0005
Zinc	0.2	0.0003
Nonmetal	**Urban**	**Nonurban**
Ammonium	0.06	0.06
Fluoride	0.05	0.05
Nitrate	0.06	0.06
Sulfate	0.6	0.6

[a]Sensitivity to metals in nonurban samples can be greater for two reasons. First, because of low concentrations, inter-element interferences are minimized. Second, since total accumulated material is less than in the urban samples, the sample extract is prepared in a more concentrated form to increase sensitivity.

number of industrial process sources. The increasing availability of new and revised emission factors and additional basic data sources are making better estimates possible.

The estimates of particulate emissions should be viewed with two qualifications in mind. First, a significant portion of particulate emissions is under some sort of control, but the extent and efficiency of such controls have not been evaluated on a national basis. Second, emissions of particulate matter from many processes and activities have not been defined quantitatively.

The current rate of emission for sulfur oxides is expected to remain essentially unchanged. Increases in the use of sulfur-containing fuels should be offset, on a national scale, by the shift to fuels with lower sulfur content in some areas of the country.

The estimate of hydrocarbon emissions is known to be incomplete. The industrial process loss category includes only petroleum refineries and coking operations because data are not available for several other major sources such as the petrochemical industries.

Table 1-3. DISTRIBUTION OF CITIES BY POPULATION CLASS AND PARTICULATE CONCENTRATION, 1957 THROUGH 1967

Population Class	Average particulate concentration, $\mu g/m^3$										
	Less than 40	40-59	60-79	80-99	100-119	120-139	140-159	160-179	180-199	More than 200	Total
Over 3 million							1		1		2
1-3 million							2	1			3
0.7-1 million			1		2		4				7
400-700,000				4	5	6	1	1	1		18
100-400,000		3	7	30	24	17	12	3	2	1	99
50-100,000		2	20	28	16	12	6	5	1	3	93
25-50,000		5	24	12	12	10	2	1	2	3	71
10-25,000		7	18	19	9	5	2	3	1		64
Under 10,000	1	5	7	15	11	2	1	2			44
Total	1	22	77	108	79	52	31	16	8	7	401

Table 1-4. DISTRIBUTION OF SELECTED NONURBAN MONITORING SITES BY CATEGORY OF URBAN PROXIMITY, 1961 THROUGH 1966

Category	Average particulate concentration, $\mu g/m^3$				
	Less than 20	20-39	40-59	60-79	Total
Near urban		1	3	1	5
Intermediate		5	6		11
Remote	4	5			9
Total nonurban	4	11	9	1	25

Table 1-5. SUMMARY OF AVERAGE CONCENTRATIONS OF GASEOUS POLLUTANTS AT CAMP STATIONS

	Arithmetic average, ppm				
	1963	1964	1965	1966	1967
Carbon monoxide					
Chicago	a	12.0	17.1	12.5	a
Cincinnati	a	a	4.0	4.9	5.6
Denver			7.2	7.9	7.6
New Orleans	a				
Philadelphia	a	7.1	8.1	6.8	6.3
San Francisco	5.4	5.2			
St. Louis		6.3	6.5	5.8	5.6
Washington,D.C.	6.9	5.7	3.7	3.3	4.9
Nitric oxide					
Chicago	0.097	0.100	0.096	0.101	0.072
Cincinnati	0.032	0.038	0.031	0.042	0.032
Denver			0.033	0.039	0.037
New Orleans	0.015				
Philadelphia	0.046	0.045	0.049	0.059	0.063
San Francisco	0.087	0.089			
St. Louis		0.036	0.026	0.032	0.035
Washington, D.C.	0.039	0.034	0.032	0.036	0.047
Nitrogen dioxide					
Chicago	0.041	0.046	0.043	0.057	0.050
Cincinnati	0.030	0.032	0.035	0.036	0.028
Denver			0.036	0.034	0.037
New Orleans	0.017				
Philadelphia	0.039	0.038	0.037	0.039	0.043

Table 1-5 (continued). SUMMARY OF AVERAGE CONCENTRATIONS OF GASEOUS POLLUTANTS AT CAMP STATIONS

	Arithmetic average, ppm				
	1963	1964	1965	1966	1967
Nitrogen dioxide (continued)					
San Francisco	0.049	0.057			
St. Louis		0.033	0.026	0.034	0.024
Washington, D.C.	0.034	0.037	0.035	0.035	0.043
Sulfur dioxide					
Chicago	0.150	0.175	0.130	0.084	0.125
Cincinnati	0.026	0.038	0.030	0.031	a
Denver			0.019	0.011	0.005
New Orleans	0.008				
Philadelphia	0.070	0.081	0.084	0.091	0.098
San Francisco	0.009	0.017			
St. Louis		0.059	0.047	0.042	0.029
Washington, D.C.	0.047	0.047	0.046	0.044	a
Total hydrocarbons					
Chicago	3.2	3.0	2.6	2.8	3.0
Cincinnati	3.3	3.0	2.8	a	2.5
Denver			2.5	2.4	2.4
New Orleans	a				
Philadelphia	2.5	2.2	2.2	2.5	2.4
San Francisco	2.7	2.8			
St. Louis		3.1	2.9	3.0	a
Washington, D.C.	2.8	3.0	2.1	2.4	a
Total oxidants					
Chicago		0.030	0.026	0.021	0.029
Cincinnati	Oxidant data for 1963 not included because of SO_2 interference.	0.028	0.033	a	0.031
Denver			0.033	0.030	a
New Orleans					
Philadelphia		0.026	0.026	0.032	0.026
San Francisco		0.020			
St. Louis		0.031	0.032	0.037	0.035
Washington, D.C.		0.030	0.028	0.027	0.C25

[a]Average not calculated because of insufficient or poorly distributed data.

Table 1-6. DAYS WITH MAXIMUM HOURLY OXIDANT CONCENTRATIONS EQUAL TO OR GREATER THAN SPECIFIED CONCENTRATIONS

City	Year	Days valid	0.15 ppm		0.10 ppm		0.05 ppm	
			Number	Per-cent	Number	Per-cent	Number	Per-cent
Chicago	64	259	0	0.0	8	3.1	135	52
	65	275	0	0.0	8	2.9	107	39
	66	235	3	1.3	6	2.6	52	22
	67	255	1	0.4	16	6.3	113	44
Cincinnati	64	304	4	1.3	30	9.9	122	40
	65	311	4	1.3	14	4.8	162	52
	66	208	0	0.0	1	0.5	54	26
	67	248	1	0.4	20	8.1	122	49
Denver	65	284	13	4.6	43	15.1	205	72
	66	298[a]	9	3.0	46	15.4	187	63
	67	166[a]	4	2.4	12	7.2	76	46
Philadelphia	64	293	9	3.1	34	11.6	124	42
	65	261	3	1.1	20	7.7	97	37
	66	315	19	6.0	52	16.5	145	46
	67	282	3	1.1	28	9.9	124	44
St. Louis	64	254	5	2.0	24	9.4	139	55
	65	328	7	2.1	28	8.5	178	54
	66	292	5	1.7	33	11.3	174	60
	67	289	4	1.4	38	13.1	185	64
Washington	64	292	4	1.4	37	12.7	154	53
	65	281	2	0.7	25	8.9	125	45
	66	325	2	0.6	27	8.3	134	41
	67	322	5	1.6	27	8.4	137	43

[a]Data for Denver 1967 are deceptively low because of low validity in the summer months, when oxidant is typically high. There were only 5 valid days in May and none in June and July.

Table 1-7. NATIONWIDE EMISSIONS OF MAJOR POLLUTANTS IN 1966
(millions of tons per year)

Source	CO	Particulate	HC	NO_x	SO_x[a]
Transportation	64.5	1.2	17.6	7.6	0.4
Fuel combustion in stationary sources	1.9	9.2	0.7	6.7	22.9
Industrial processes	10.7	7.6	3.5	0.2	7.2
Solid waste disposal	7.6	1.0	1.5	0.5	0.1
Miscellaneous					
Man-made	9.7	2.9	6.0	0.5	0.6
Forest fires	7.2	6.7	2.2	1.2	N[b]
Total	101.6	28.6	31.5	16.7	31.2

[a]Data for 1967.

[b]Values under 50,000 tons are marked "N," for negligible compared with the total.

GUIDE TO SITE DESCRIPTION LISTING

A list of sampling sites is presented in the Appendix. Information is given on the location of each station - Federal, state, or local - listed in this publication. In addition to the address of each site, the listing offers the type of site, population or topographic class, height of sampler above ground level, the name of supporting state or local agency, and either the county name (for urban sites) or a site name abbreviation (for nonurban sites).

The site types are industrial (I), residential (R), commercial (C), suburban (S), and nonurban (N); some sites are classified as combinations of two or more of these categories. Nine population classes are used: 3,000,000+; 1,000,000 to 3,000,000; 700,000 to 1,000,000; 400,000 to 700,000; 100,000 to 400,000; 50,000 to 100,000; 25,000 to 50,000; 10,000 to 25,000; and under 10,000. Eight topographic classes are used: Atlantic Coast, Desert, Farmland, Forest, Great Lakes Coast, Mountain, and Pacific Coast. The codes for these population and topographic classes are defined in the Appendix.

DESCRIPTION OF DATA TABLES

In this section the five basic formats of data presentation are described in some detail. Following these descriptions, information concerning the type of data appearing in each particular table is presented.

One of the major methods used to present data in this publication is the frequency distribution table. The table lists for each site the year or years of sampling covered, the number of valid samples taken, the minimum value, the nine decile values, the maximum value, the arithmetic mean, the geometric mean, and the standard geometric deviation.

In 1967 the method of calculation of frequency distributions was changed as part of the overall implementation of the DAQED national air quality data bank computer system Storage and Retrieval of Air Quality Data (SAROAD). The frequency distribution program was one of several that were rewritten to be compatible with this new system. In this process, the method of calculating distributions was changed; the resulting distributions represent an improvement over those produced by the old program. The difference between the two programs follows.

Originally, because of computer limitations, a given set of values was divided into 42 logarithmically determined ranges of pollutant concentration, and all values in any given range were treated identically for the purpose of defining percentiles. In each range, the mean value between the upper and lower limits of the range was considered representative of all values in that range. This process was dictated by the limited amount of space in the computer's memory. Percentile values, therefore, were not always actual numbers contained among the original values; and, if the distribution took on an unusual shape, the 90th percentile value occassionally was reported to be greater than the actual maximum pollutant values, which is of course impossible.

The new computer program analyzes the data individually. Specifically, all data are arranged in order from the smallest to the largest value. They then are divided into 10 groups as nearly equal in number of values as is possible.

Then the value reported for, say, the 40th percentile in the frequency distribution is the smallest actual pollutant value satisfying the condition that 40 percent of all pollutant values in the group of data are less than or equal to the stated value. As an example, in a group of 26 values, the 10th percentile is represented by the third smallest value. Twenty-six divided by 10 yields 2.6, but there is no 2.6th value, and, the third value is therefore chosen. Ten percent of all pollutant values will be less than or equal to that third value. Similarly, the 20th percentile will be the 5.2th, or the 6th value in the sequence.

Anomalies such as described earlier do not occur with this new program. The arithmetic mean, geometric mean, and standard geometric deviation are reported the same by the new program as they were by the old program.

Since the program was changed, it has been used to produce frequency distributions for both new and old data. In particular, newly computed frequency distributions of data collected during or prior to 1966 may differ slightly from previously calculated frequency distributions of such data.

A second format of data presentation is used in lieu of the frequency distribution table in those cases in which the vast majority of all data values have been reported to be zero. This occurs for those pollutant fractions for which most levels occurring in the ambient air are below the present minimum detectable level. The abbreviated tables used to summarize data in these cases list, for each site, the year or years of sampling, the number of samples collected, the number of samples above the minimum detectable concentrations, and the maximum value among these detectable concentrations. This table format is used for those metal fractions of suspended particulate matter that occur in low concentrations (with respect to minimum detectable concentration), and for fluoride ion concentrations.

Quarterly composite tables are used to report metallic, nonmetallic inorganic, and organic fractions of suspended particulate matter from various stations in the network. For each site, a chemically integrated average concentration value is reported for each of the four quarters of the calendar year, and a yearly average is reported for each year in which valid data for all four quarters were obtained.

A fourth type of table, used exclusively to summarize CAMP data for gaseous pollutants and soiling index, is the table of daily averages. This table simply lists for a particular pollutant the average pollutant value, when valid, for each day in the calendar year. For the gaseous pollutants, these values are averaged from raw data compiled at 5-minute intervals. For soiling index, the sampling period is 2 hours, so that up to 12 values are included in each soiling index daily average value.

The fifth and final form in which data are presented is the frequency distribution table and graph combination. For each of the gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), a graph presents comparative curves showing the frequency distributions of 5-minute values in the CAMP cities. Adjoining each of these figures is a numerical tabulation of the same information.

For those tables reporting data from many sites (frequency distribution, abbreviated frequency distribution, and quarterly composite), the data are divided into classes: data for urban sites and data for nonurban sites. Originally the distinction between urban and nonurban was fairly clear-cut; the growth and spread of the United States population, however, has made these definitions somewhat arbitrary. Generally, nonurban sites are labeled by county names, e.g., Coconino County, Arizona, and urban site names are not. However, some exceptions do occur in both categories. Hence, the sites are separated into different tables for urban sites and nonurban sites, so that the reader will know whether a particular site is urban or nonurban.

This report is divided into six sections. Section 2 presents data on suspended particulate matter, Section 3 covers the organic fractions of particulate matter, and Section 4 covers the nonmetallic inorganic fractions. Section 5 covers the metallic fractions of particulate matter, and Section 6 presents data on gaseous pollutants and soiling index. The remainder of this discussion describes the content of these tables in more detail.

Tables 2-1 and 2-2 present 1967 data on the concentrations of suspended particulate matter in the air. Data from urban sampling stations are presented in Table 2-1 as frequency distributions by site and city. Table 2-2 presents frequency distributions of data from nonurban stations.*

Tables 3-1 through 3-5 offer 1967 data on the portion of suspended particulate matter that consists of benzene-soluble organic chemical compounds. The concentrations of benzene-soluble organic material from urban and nonurban stations are presented in the first three tables.

Tables 3-4 and 3-5 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, (cancer-causing) properties.

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

Tables 4-1 through 4-8 present the results of chemical analyses, for 1966 and 1967, of four nonmetallic inorganic groups. Data on ammonium, nitrate, and sulfate ions extracted from urban particulate matter samples are presented in frequency distribution format in Tables 4-1, 4-5, and 4-7 respectively, and comparable data from nonurban stations appear in Tables 4-2, 4-6, and 4-8, respectively.

Beginning with this edition of Air Quality Data, data on water-soluble fluorides are included. Such data from urban stations are offered in Table 4-3, and comparable nonurban data appears in Table 4-4.

Beginning with the 1966 Air Quality Data publication, reported concentrations of metals have been measured in samples ashed with low-temperature (150°-200° C) oxygen plasma asher. Recovery of several volatile metals, notably cadmium, lead, and zinc is improved with the new method, but use of the new method means that concentrations reported here cannot be meaningfully related to concentrations measured in samples ashed in a high-temperature muffle furnace and included in publications prior to the 1966 edition of Air Quality Data.

Tables 5-1 through 5-32 present data on the concentrations of 16 metals in suspended particulate samples collected at urban and nonurban sites during 1965 or earlier. These samples have been analyzed in retrospect. Because programming of the new computer system data bank has not been completed at this printing, data on metals for 1966, which would normally appear in this volume, have been

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*In addition to the sites listed in Tables 2-1 and 2-2, the following sites reported sampling activity, but a representative year's data were not obtained: Birmingham, Alabama; Joliet, Illinois; North Chicago, Illinois; New Albany, Indiana; Dubuque, Iowa; Portland, Maine; Detroit, Michigan (site 02); Trenton, New Jersey; Hamilton, New Jersey; Cincinnati, Ohio (sites 02, 31) Johnstown, Pennsylvania; San Juan, Puerto Rico (sites 01, 02); Sioux Falls, South Dakota, Texas (sites 01, 02); and Burlington, Vermont.

deferred to the 1968 edition. Beryllium data however, because of beryllium's high biological activity, have been summarized in a special format in Tables 5-3 and 5-4. The odd-numbered tables in Section 5 present data from urban stations, while the even-numbered tables present data from nonurban stations. The 16 metals represented are antimony, beryllium, bismuth, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, tin, titanium, vanadium, and zinc. In most cases, the data are presented in frequency distribution format, but in those cases where detectable quantities of the metal are infrequently measured, the abbreviated summary format is used. In these cases, the reader should refer to Table 1-2 for 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.

Figures 6-1 through 6-6 and Tables 6-1 through 6-18 present various summaries of gaseous pollutant data from three of the National Air Surveillance Networks: The Continuous Air Monitoring Projects (CAMP), the 24-hour gas-sampling network, and the lead peroxide candle network.

The CAMP data are presented in Figures 6-1 through 6-6 as graphs of annual frequency distributions of the basic 5-minute values recorded. Accompanying each figure is a tabular listing of the same data in frequency distribution format. Further, Tables 6-7 through 6-12 present daily arithmetic averages of the data for each pollutant and for each city. The pollutants summarized are carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants. The cities in which these were measured are Chicago, Cincinnati, Denver, Philadelphia, St. Louis, and Washington, D. C. In St. Louis and Washington, D. C., technical difficulties caused the hydrocarbon data gathered to be invalid. Accordingly, graphs and tabular listings for these data do not appear in the text.

Data from the 24-hour gas sampling network on aldehydes, nitrogen dioxide, and sulfur dioxide are presented in Tables 6-13, 6-14, and 6-15 respectively. The gas bubbler samples are operated on a schedule of 26 randomly selected days per year, as are the high-volume samplers.

Table 6-16 offers data from the 1967 operations of New York City's continuous monitoring network for sulfur dioxide.

Table 6-17 presents the results of the operation of the lead candle network during 1967. The lead candle provides an index of sulfation, which is determined by the reaction of sulfur compounds with lead peroxide exposed to the air for 30 days.

The result 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.

Finally, Table 6-18 presents daily average of soiling index concentrations at the six CAMP stations during 1967.

LABORATORY METHODOLOGY

SUSPENDED PARTICULATE MATTER

The weight or mass of particulate matter per volume of air is usually determined by drawing air through a weighed filter with a high-volume air sampler, and then reweighing the soiled filter. Particular laboratory procedures, however, may differ from one laboratory to another. The following procedure is used by the Division of Air Quality and Emission Data for all sampling conducted by the NASN.

Each city's high-volume 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 are among the higher concentrations found in the city, and therefore cannot be interpreted as the citywide average. Contrasts between cities on a relative scale are considered valid, however.

The high-volume samplers, operating at from 40 to 60 cubic feet per minute, collect particles 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 measured.

To eliminate any filters having 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 50 percent or less relative humidity. Because 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 are folded in half with the collected particulate matter inside and returned to the laboratory. After a filter with the collected particulate matter is again equilibrated for at least 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 crucial, because many of the compounds collected (ammonium sulfate in particular) are quite hygroscopic. Figure 1-1 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.

ORGANIC PARTICULATE MATTER

The numerous specific organic compounds that are removed by benzene include many of the manmade organic pollutants. Natural organic airborne particles, 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 from 6 to 8 hours.

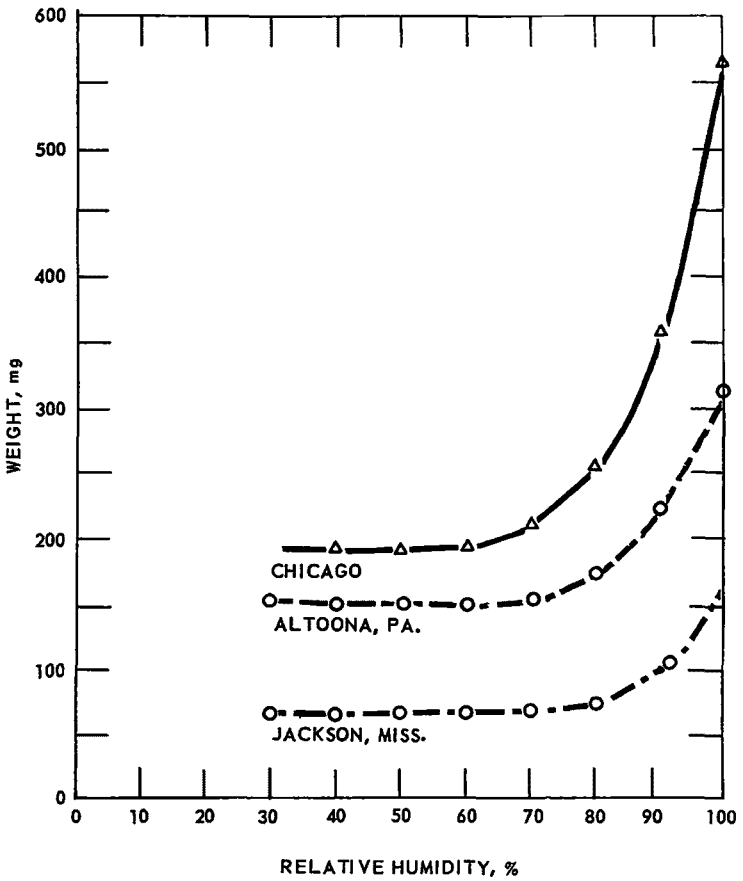

Figure 1-1. Effects of relative humidity on weight of atmospheric particulates at 75 ° F.

This 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.

The benzo(a)pyrene (BaP) component of the benzene-soluble organic residue is determined after first separating the different components by thin-layer chromatography, then removing the BaP from the thin-layer plate and thin-layer adsorbent. The BaP is then dissolved in sulfuric acid and its concentration measured by florescence spectroscopy.

NONMETALLIC INORGANIC CONSTITUENTS

Analyses for ammonium, nitrate, and sulfate ions are conducted with Auto-Analyzers* 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.

*Mention of a product or company name does not imply endorsement by the Environmental Protection Agency.

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 combined with N-1-napthylethylenediamine. The resulting compound is measured spectrophotometrically at 535 millimicrons. This method offers distinct advantages in avoiding interferences from other water-soluble compounds found in atmospheric particulate matter.

Sulfate ion in the filtrate is determined by the methylthymol blue method, which is appropriate only with Auto-Analyzer techniques because 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.

Beginning with this Air Quality Data publication, data on water-soluble fluorides are included. Measurement of the fluoride ion concentration in NASN samples of suspended particulate matter has become practical by the adaptation in the NAPCA laboratory of a recently developed fluoride selective electrode technique.* The analysis is performed on an aliquot of the same water extract prepared for the ammonium, nitrate, and sulfate analyses. A sodium citrate-carbonate buffer solution is added to adjust the pH ionic strength and control interferences from metal ions. The fluoride-selective electrode generates a potential in proportion to the fluoride activity in the sample that is measured against the potential of a standard reference electrode. The development of this time-saving method, and a lower and more uniform amount of fluoride in the glass-fiber filters, together have made it possible to include this constituent in the routine analyses performed on network samples of suspended particulate matter.

METALS

In the metals analysis an aliquot of the sample is ashed and then extracted with a mixture of distilled hydrochloric acid and nitric acid. The manner of ashing the sample is critical in the determination of the more volatile metals such as lead, zinc, and cadmium. At one time samples were ashed in a muffle furnace at 500° C, but they are now ashed in a low-temperature asher (at about 150° C). After ashing and extraction, metals contents of urban samples are determined with an emission spectrograph.

GASES

The gas samples are gathered with a bubbler-train sampler. Air is drawn successively through a membrane filter, a manifold, a bubbler, another filter, and

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*M. S. Frant and J. W. Ross, Jr., "Electrode for Sensing Fluoride Ion Activity in Solution," Science, 145:1553-1554 (1966).

finally a critical orifice. The membrane prefilter removes particulate matter; the glass manifold permits the connection of up to five bubblers in parallel. The bubbler itself is filled with the appropriate absorbing reagent and is followed by a post-filter, which serves to protect the hypodermic needle critical orifice, which controls the air flow. Following sample collection, the bubbler tubes are shipped to the laboratories for analysis.

The analytical method used for sulfur dioxide is that of West and Gaeke with the addition of sulfamic acid to the method modified for the Auto-Analyzer by Welch and Terry. Sulfur dioxide is collected from the air sample by the complexing action of sodium tetrachloromercurate and is determined colorimetrically by measuring the red-violet color produced when a bleached rosaniline hydrochloride solution and dilute aqueous formaldehyde react with the sulfur dioxide in the collecting solution. The sulfamic acid prevents interference from nitrogen dioxide.

Nitrogen dioxide measurements are based on the procedures of Jacobs-Hochheiser and Saltzman. When the sample air containing nitrogen dioxide is drawn through a sodium hydroxide solution, a dilute solution of sodium nitrite and sodium nitrate is produced. In the laboratory, this collecting solution is reacted with solutions containing phosphoric acid, sulfanilamide, and N-(1-naphtyl)-ethylene-diamine dihydrochloride. The transmittance of the resulting azo dye is measured colorimetrically.

The analytical method for aldehydes is based on the fact that MBTH (3-methyl-2-benzothiazolone hydrozone hydrochloride) reacts with aliphatic aldehydes in the presence of acid ferric chloride. Aldehydes are collected by drawing air through a 0.05 percent solution of MBTH contained in a special polypropylene collection tube. The special tube is required because both the MBTH and the aldehydes are unstable when allowed to come in contact with rubber, polyethylene, or Tygon, materials that are otherwise used in the gas sampler. The sampling tubes contain 50 ml of distilled water when sent into the field. After the sample is returned to the laboratory, color is developed by the addition of ferric chloride-sulfamic acid solution, and measured colorimetrically. Results are expressed as formaldehyde.

SOILING INDEX

Soiling index values are determined with a standard spot tape sampler operating on a 2-hour cycle. The soiled tapes are read with an automated transmissivity meter that determines the soiling index values. Because the transmittance of light through the soiled spot is affected primarily by the surface area of the particles collected, soiling index values are a reflection primarily of the smaller particles. When values of more than 6.0 are reported, the soiled spot is so dense that an accurate determination is not possible. Such values are underestimated, that is, they are lower than would be the average of two 1-hour determinations.

SECTION 2.

URBAN AND NONURBAN SUSPENDED PARTICULATE MATTER

Table 2-1. SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
HUNTSVILLE SITE 01	67	26	22	34	46	49	56	66	71	81	93	100	127	67	62	1.57
MONTGOMERY SITE 01	67	26	26	41	57	59	63	68	78	93	96	106	137	75	70	1.47
ALASKA																
ANCHORAGE SITE 03	67	24	16	22	28	43	55	60	84	101	153	312	320	99	69	2.36
FAIRBANKS SITE 01	67	23	26	31	35	53	111	131	153	281	330	418	767	201	124	2.84
ARIZONA																
MARICOPA COUNTY SITE 01	67	26	8	24	40	42	50	53	60	74	103	125	187	68	57	1.92
PHOENIX SITE 02	67	26	60	85	104	109	133	162	188	215	230	247	374	169	154	1.56
TUCSON SITE 01	67	24	36	54	60	63	80	91	100	118	136	160	175	97	89	1.56
ARKANSAS																
LITTLE ROCK SITE 01	67	25	36	54	58	62	67	71	82	107	118	131	141	84	79	1.46
CALIFORNIA																
BAKERSFIELD SITE 01	* 67	28	51	73	76	90	130	146	168	183	203	234	908	170	140	1.78
BERKELEY SITE 01	* 67	23	21	25	27	36	57	63	70	77	81	105	223	68	56	1.86
GLENDALE SITE 01	67	26	22	30	36	54	73	84	92	118	126	155	253	90	75	1.90
LONG BEACH SITE 01	67	25	26	62	91	104	112	115	123	154	177	209	287	132	118	1.68
LOS ANGELES SITE 01	67	25	26	50	64	82	86	93	98	118	125	158	292	103	91	1.68
MONTEREY SITE 01	* 67	26	23	26	35	41	47	53	61	74	83	91	152	60	54	1.63
OAKLAND SITE 01	67	25	33	44	49	67	79	96	102	122	139	149	171	96	87	1.62
REDDING SITE 01	* 67	20	24	37	41	58	62	70	82	99	104	135	413	93	76	1.83
SALINAS SITE 01	* 67	40	23	39	44	60	73	77	94	107	122	171	245	95	81	1.78
SAN DIEGO SITE 01	67	24	30	39	44	50	56	64	72	82	88	103	126	68	64	1.47
SAN FRANCISCO SITE 01	67	25	17	39	45	49	59	67	70	94	105	122	171	75	66	1.69
SAN JOSE SITE 01	* 67	26	29	33	48	54	59	64	86	88	101	128	142	75	68	1.58
SANTA CRUZ SITE 01	* 67	25	16	26	31	42	45	66	66	83	91	101	164	65	57	1.75
COLORADO																
ADAMS COUNTY SITE 01	* 67	110	18	36	46	55	68	77	88	97	121	148	196	85	74	1.71
ARVADA SITE 01	* 67	104	30	55	65	74	85	97	105	115	134	156	214	100	92	1.52
AURORA SITE 01	* 67	112	19	40	50	57	63	69	75	79	92	109	308	75	68	1.52
BOULDER SITE 01	* 67	90	11	28	34	39	41	47	52	58	65	75	176	51	47	1.56
SITE 02	* 67	94	15	27	31	35	37	44	50	57	67	79	100	48	44	1.52
SUMMARY	* 67	184	11	27	31	36	40	45	51	57	66	79	176	49	45	1.54
BROOMFIELD SITE 01	* 67	91	9	16	21	24	30	35		49	64	87	109	42	35	1.84

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m3													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO SPRINGS SITE 03	* 67	112	20	41	50	62	67	73	79	92	107	129	208	80	72	1.59
DENVER SITE 01	* 67	137	29	54	61	71	81	88	97	116	149	190	283	105	94	1.61
SITE 02	67	114	33	70	89	100	122	142	164	187	255	350	719	175	146	1.82
SITE 03	* 67	109	39	61	76	88	99	112	129	142	162	196	360	121	111	1.53
SITE 04	* 67	119	35	54	70	86	99	112	135	147	175	222	291	126	112	1.65
SITE 05	* 67	105	26	42	53	58	68	73	82	100	120	151	250	86	77	1.61
SITE 06	* 67	108	20	29	40	48	52	57	63	74	82	123	204	66	59	1.63
SITE 07	* 67	113	19	37	44	51	55	58	64	72	81	100	171	64	59	1.47
SUMMARY	* 67	805	19	45	55	64	75	86	100	122	151	191	719	106	89	1.62
DURANGO SITE 03	* 67	112	24	43	49	56	61	69	74	87	104	117	250	77	70	1.53
ENGLEWOOD SITE 01	* 67	111	35	52	57	67	76	82	93	109	124	160	237	94	86	1.54
FORT COLLINS SITE 01	* 67	86	22	30	43	48	60	70	83	94	107	124	203	75	67	1.67
GLENWOOD SPRINGS SITE 01	* 67	99	28	40	49	54	61	73	78	93	116	174	263	85	74	1.65
GOLDEN SITE 01	* 67	106	21	37	43	50	57	62	69	75	83	97	212	66	61	1.51
GRAND JUNCTION SITE 03	* 67	82	20	28	42	49	58	65	73	86	100	129	230	73	64	1.71
GREELEY SITE 01	* 67	115	22	37	44	55	66	80	89	102	120	149	191	85	74	1.68
SITE 02	* 67	118	16	29	38	48	58	65	72	83	92	116	185	69	61	1.69
SUMMARY	* 67	233	16	32	41	51	62	70	81	90	107	135	191	77	67	1.69
LAKEWOOD SITE 01	* 67	117	14	28	37	41	47	53	57	63	75	90	151	56	51	1.57
LONGMONT SITE 01	* 67	93	20	39	46	60	68	79	86	103	126	156	292	92	78	1.74
MANITOU SPRINGS SITE 01	* 67	108	20	42	46	53	60	65	71	78	84	94	154	67	63	1.42
MONTROSE SITE 01	* 67	106	25	48	57	65	78	87	99	115	131	150	459	96	85	1.61
PUEBLO SITE 01	* 67	107	25	68	85	99	110	122	139	150	169	214	470	133	120	1.59
SITE 02	* 67	107	30	50	61	70	79	89	100	111	129	165	250	99	90	1.56
SITE 03	* 67	105	54	71	89	105	112	134	153	160	179	220	364	142	130	1.51
SITE 04	* 67	109	16	31	40	46	54	60	68	77	85	110	210	66	59	1.59
SITE 05	* 67	113	20	43	56	62	69	77	85	96	107	125	632	89	77	1.63
SITE 06	* 67	112	19	52	65	73	80	89	103	114	126	140	250	97	89	1.52
SUMMARY	* 67	653	16	46	60	70	80	91	104	119	140	169	632	104	91	1.57
STERLING SITE 01	* 67	92	26	45	54	61	67	77	89	102	118	150	258	89	79	1.61
TRINIDAD SITE 01	* 67	117	18	43	55	69	78	92	102	113	134	154	247	96	85	1.67
CONNECTICUT BRIDGEPORT SITE 01	* 67	24	44	64	67	74	84	88	111	115	137	148	275	105	96	1.54
HARTFORD SITE 01	67	26	23	38	45	49	55	72	85	123	140	156	221	89	76	1.79
NEW BRITAIN SITE 02	* 67	23	31	66	81	95	101	116	130	138	170	193	277	125	113	1.61

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW HAVEN SITE 01	67	26	31	38	48	61	79	87	105	128	135	159	177	94	83	1.73
STAMFORD SITE 01	* 67	24	40	42	45	55	85	90	99	110	116	147	271	94	83	1.66
WATERBURY SITE 01	* 67	24	25	43	48	54	73	77	86	127	159	192	237	99	83	1.84
DELAWARE NEWARK SITE 01	67	26	20	35	41	46	60	65	71	77	90	134	179	73	64	1.67
WILMINGTON SITE 01	67	21	76	87	91	104	108	132	140	143	162	204	223	134	127	1.39
DC WASHINGTON SITE 01	67	26	35	58	60	67	74	84	94	99	127	150	170	91	85	1.46
SITE 02	67	150	46	69	77	92	99	110	124	137	157	177	304	118	110	1.46
FLORIDA APALACHICOLA SITE 01	* 67	23	26	39	44	44	46	54	68	76	79	107	141	63	58	1.50
GAINESVILLE SITE 01	* 67	20	28	45	56	60	62	72	76	85	95	100	108	74	70	1.39
JACKSONVILLE SITE 03	* 67	24	29	40	42	59	63	65	77	85	101	132	144	75	69	1.55
MIAMI SITE 03	* 67	25	23	31	32	42	43	47	52	63	66	126	167	59	52	1.63
ORLANDO SITE 01	* 67	26	17	26	34	35	38	43	51	62	64	92	105	52	47	1.58
TALLAHASSEE SITE 01	* 67	22	18	30	32	37	42	43	51	58	63	87	137	52	47	1.58
WINTER HAVEN SITE 01	* 67	21	23	30	32	33	46	55	55	59	68	68	84	50	47	1.46
GEORGIA ALBANY SITE 01	* 67	21	48	54	62	69	90	108	121	137	182	197	307	119	104	1.70
ATLANTA SITE 01	67	26	48	64	75	80	88	96	99	104	140	179	376	117	103	1.60
AUGUSTA SITE 01	* 67	26	33	53	68	72	76	77	85	105	112	174	257	96	87	1.56
BRUNSWICK SITE 01	* 67	25	28	36	37	45	51	64	68	81	110	157	183	75	65	1.70
COLUMBUS SITE 01	* 67	26	9	40	45	58	63	67	74	75	82	103	122	67	61	1.65
GAINESVILLE SITE 01	* 67	25	31	37	42	53	61	67	69	89	95	129	136	74	67	1.55
LYONS SITE 01	* 67	26	12	30	37	40	45	49	62	69	75	88	124	57	51	1.67
MACON SITE 01	* 67	24	46	74	79	89	95	127	146	148	204	214	313	137	123	1.61
ROME SITE 01	* 67	26	22	34	40	48	64	65	70	77	90	107	113	66	61	1.55
ROSSVILLE SITE 01	* 67	24	48	71	74	92	100	111	125	156	208	254	531	148	125	1.75
SAVANNAH SITE 01	* 67	26	54	61	64	74	83	104	112	132	158	361	802	154	115	1.97
VALDOSTA SITE 01	* 67	26	50	57	71	90	96	97	112	117	139	149	408	113	102	1.54
HAWAII HONOLULU SITE 01	67	26	22	25	28	31	34	36	39	42	46	53	83	38	36	1.36

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
IDAHO																
BOISE SITE 01	67	25	13	36	46	58	61	75	80	91	99	113	121	72	65	1.69
ILLINOIS																
BLUE ISLAND SITE 01	* 67	132	14	61	81	92	104	121	141	165	207	260	502	145	124	1.79
CALUMET CITY SITE 01	* 67	136	21	47	61	68	86	101	112	147	167	213	397	120	100	1.83
CHICAGO SITE 01	67	26	29	54	67	78	82	99	110	118	127	144	175	99	92	1.53
SITE 02	67	136	73	111	124	144	155	171	190	216	241	281	423	187	173	1.48
SUMMARY	67	162	29	84	112	124	144	159	177	199	229	279	423	143	126	1.51
CHICAGO HEIGHTS SITE 01	* 67	127	18	38	50	58	72	83	104	117	141	191	366	101	84	1.85
CICERO SITE 01	* 67	137	43	71	91	111	132	157	182	207	229	272	525	167	147	1.68
COOK COUNTY SITE 01	* 67	136	20	61	77	95	111	122	163	195	226	306	576	161	133	1.87
EAST ST LOUIS SITE 01	67	23	62	106	110	134	140	156	165	179	197	232	249	156	148	1.40
FLOSSMOOR SITE 01	67	136	18	36	49	58	70	83	102	116	136	193	360	101	84	1.85
FRANKLIN PARK SITE 01	67	119	14	37	48	61	84	100	124	153	189	258	360	123	96	2.07
HARVEY SITE 01	* 67	127	19	48	62	72	88	105	121	143	160	196	432	121	101	1.82
HILLSIDE SITE 01	* 67	139	11	38	51	69	79	89	109	127	166	201	319	111	90	1.96
MIDLOTHIAN SITE 01	* 67	132	14	47	60	74	79	97	115	139	161	223	427	115	97	1.81
NILES SITE 01	* 67	137	6	27	40	51	61	76	90	102	128	163	308	89	71	2.00
ORLAND PARK SITE 01	* 67	130	20	40	51	62	72	86	101	117	143	173	411	102	86	1.77
PALATINE SITE 01	* 67	137	10	26	30	35	43	55	68	85	106	150	408	72	56	2.03
RIVER FOREST SITE 01	* 67	130	28	48	57	77	88	107	117	140	172	197	559	119	102	1.77
ROCKFORD SITE 01	* 67	26	34	41	48	51	64	67	85	93	101	104	153	74	69	1.48
SPRINGFIELD SITE 01	* 67	23	2	34	64	70	78	85	91	95	99	118	335	90	68	2.63
WILMETTE SITE 01	* 67	134	5	24	36	55	65	75	95	108	133	201	336	97	72	2.30
INDIANA																
EAST CHICAGO SITE 01	67	26	82	103	124	140	167	168	173	175	206	228	276	168	162	1.34
HAMMOND SITE 01	67	23	40	55	72	83	92	105	116	176	182	224	235	124	110	1.66
INDIANAPOLIS SITE 01	67	23	71	89	95	110	126	132	134	141	154	162	241	132	127	1.32
MUNCIE SITE 01	67	22	50	65	75	76	82	91	95	102	106	116	137	91	88	1.29
SOUTH BEND SITE 01	67	24	37	43	61	63	66	78	91	101	120	150	189	90	82	1.55
TERRE HAUTE SITE 01	67	24	32	71	80	88	96	97	108	110	134	161	296	113	102	1.56

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
IOWA																
CEDAR RAPIDS SITE 01	67	25	44	59	64	106	110	149	151	159	192	228	281	138	123	1.67
DES MOINES SITE 01	67	25	60	64	76	87	95	103	114	124	148	173	258	117	108	1.47
DUBUQUE SITE 01	67	25	64	78	93	101	110	121	132	161	169	234	255	136	127	1.46
KANSAS																
TOPEKA SITE 01	67	26	15	20	32	34	43	53	60	63	73	89	134	55	48	1.73
WICHITA SITE 01	67	25	26	32	49	62	76	79	80	97	121	167	203	89	77	1.74
KENTUCKY																
COVINGTON SITE 01	67	25	35	58	58	71	73	77	79	82	83	111	131	77	74	1.34
LEXINGTON SITE 01	67	26	34	37	52	63	69	70	79	84	87	108	131	74	70	1.42
LOUISVILLE SITE 01	67	26	53	76	88	95	109	122	136	140	160	174	237	125	117	1.46
LOUISIANA																
NEW ORLEANS SITE 02	67	26	47	57	68	71	75	78	86	90	94	104	116	81	79	1.25
MARYLAND																
BALTIMORE SITE 01	67	25	49	61	69	85	101	113	130	153	187	225	285	132	117	1.66
MASSACHUSETTS																
BOSTON SITE 01	* 66	261	15	63	70	80	91	99	108	120	136	155	326	106	98	1.48
BOSTON SITE 01	* 67	24	32	58	69	81	83	86	102	112	137	143	279	101	92	1.56
BROCKTON SITE 02	* 67	22	31	40	45	49	52	56	60	61	71	83	114	59	56	1.37
LAWRENCE SITE 01	* 67	26	15	28	34	42	54	60	66	80	90	115	207	68	58	1.79
LYNN SITE 01	* 66	263	13	35	46	52	61	70	78	88	105	131	309	79	69	1.67
NEW BEDFORD SITE 01	* 67	25	26	36	38	51	55	59	64	69	78	102	126	63	58	1.46
QUINCY SITE 01	* 66	264	12	39	45	52	57	61	69	80	91	112	210	70	64	1.54
SPRINGFIELD SITE 01	* 67	24	24	42	54	75	85	91	112	160	218	253	272	123	100	1.99
MICHIGAN																
DETROIT SITE 01	67	23	44	54	75	93	130	138	145	165	210	245	253	141	124	1.70
FLINT SITE 01	67	25	15	44	47	59	60	64	70	83	93	103	137	71	66	1.55
GRAND RAPIDS SITE 01	67	25	22	46	50	69	72	75	88	92	103	139	225	84	75	1.63
MINNESOTA																
MINNEAPOLIS SITE 01	67	26	35	51	64	67	79	81	91	95	106	121	132	84	79	1.40
ST. PAUL SITE 01	67	26	40	42	51	57	66	81	98	122	132	152	267	94	83	1.67
MISSOURI																
KANSAS CITY SITE 01	67	26	60	72	85	95	111	116	123	150	155	182	209	122	116	1.39
ST. LOUIS SITE 01	67	25	66	80	84	91	104	115	124	130	134	150	184	115	111	1.30
SITE 02	67	146	17	67	83	95	110	122	140	165	187	205	296	133	121	1.59
SUMMARY	67	171	17	69	84	95	110	122	132	161	180	203	296	124	116	1.46

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³														Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean		
				10	20	30	40	50	60	70	80	90					
MONTANA																	
HELENA																	
SITE 01	67	26	23	33	41	44	54	64	76	86	93	113	182	71	63	1.03	
NEBRASKA																	
OMAHA																	
SITE 01	67	26	31	78	95	101	107	118	134	146	154	177	229	123	116	1.48	
NEVADA																	
LAS VEGAS																	
SITE 01	67	26	33	57	65	82	85	88	96	111	114	129	133	91	87	1.39	
RENO																	
SITE 01	67	25	34	57	69	83	101	110	127	163	204	263	504	144	118	1.88	
NEW HAMPSHIRE																	
CONCORD																	
SITE 01	67	26	17	19	24	25	29	38	41	83	95	101	129	53	43	1.96	
NEW JERSEY																	
BAYONNE																	
SITE 01	67	23	46	65	77	88	99	108	113	126	145	178	265	116	106	1.53	
BURLINGTON COUNTY																	
SITE 02	67	26	33	49	63	66	75	83	88	103	111	167	184	93	85	1.54	
GLASSBORO																	
SITE 01	67	26	17	31	38	40	48	49	55	59	61	67	94	50	48	1.41	
JERSEY CITY																	
SITE 01	67	25	44	64	73	81	86	103	117	131	146	191	229	115	106	1.51	
NEWARK																	
SITE 01	67	25	24	38	59	67	80	92	107	126	137	160	191	98	86	1.72	
PATERSON																	
SITE 01	67	25	35	45	51	75	81	92	92	107	115	125	157	89	83	1.48	
PERTH AMBOY																	
SITE 01	67	25	63	77	78	96	103	116	120	125	134	179	189	116	112	1.35	
NEW MEXICO																	
ALBUQUERQUE																	
SITE 01	67	26	35	52	63	69	86	102	119	129	160	242	282	120	104	1.74	
NEW YORK																	
AKRON																	
SITE 01	* 67	33	12	42	48	56	61	67	71	92	114	138	305	84	71	1.81	
ALBANY																	
SITE 01	* 67	44	25	50	53	66	75	79	107	114	127	154	220	96	86	1.65	
BABYLON																	
SITE 01	* 67	50	30	52	61	65	72	77	81	91	99	114	214	83	78	1.43	
BINGHAMTON																	
SITE 02	* 67	48	27	40	56	60	68	70	81	93	115	147	263	86	77	1.62	
SITE 03	* 67	48	26	38	46	58	65	74	80	89	105	130	177	79	72	1.57	
BUFFALO																	
SITE 01	* 67	73	37	60	72	79	92	102	110	127	148	204	277	114	103	1.57	
SITE 03	* 67	52	21	114	157	166	186	194	222	257	299	399	533	226	200	1.71	
SUMMARY	* 67	125	21	69	79	99	110	135	163	194	211	275	533	170	143	1.64	
CHEEKTOWAGA NW																	
SITE 01	* 67	49	35	70	86	93	106	119	123	137	172	246	481	138	122	1.63	
CHEMUNG COUNTY																	
SITE 02	* 67	37	19	26	33	42	45	55	59	64	78	92	150	57	51	1.62	
COLUMBIA COUNTY																	
SITE 01	* 67	50	12	16	28	32	37	43	49	57	62	79	121	47	41	1.72	
ELMIRA																	
SITE 01	* 67	42	27	40	56	61	64	66	76	86	91	106	178	75	69	1.48	
ENDICOTT																	
SITE 01	* 67	52	13	31	38	42	51	59	68	81	95	120	184	69	59	1.77	
SITE 02	* 67	51	28	51	78	86	109	119	141	151	174	220	636	140	117	1.81	
ERIE COUNTY																	
SITE 11	* 67	48	5	23	29	34	40	50	57	68	86	103	137	57	48	1.87	

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
GARDEN CITY SITE 01	* 67	44	35	42	51	59	61	68	72	77	85	106	182	74	69	1.45
GLEN COVE SITE 01	* 67	49	39	64	77	90	97	110	136	145	156	189	221	120	112	1.49
HEMPSTEAD SITE 01	* 67	47	45	59	67	74	88	96	117	122	149	194	557	119	104	1.63
HORSEHEADS SITE 01	* 67	40	20	51	55	62	69	74	80	87	124	142	424	94	81	1.67
HUDSON SITE 01	* 67	51	28	37	61	67	77	84	89	121	143	163	238	98	86	1.71
JOHNSON CITY SITE 01	* 67	51	20	35	49	59	71	95	102	107	121	166	307	95	81	1.80
KINGS POINT SITE 01	* 67	53	30	45	51	63	71	77	90	113	138	181	243	95	84	1.66
KINGSTON SITE 01	* 67	48	19	39	45	49	65	69	82	95	113	126	256	83	72	1.69
LACAWANNA SITE 01	* 67	47	38	99	121	152	165	182	226	267	292	399	1083	233	189	1.92
SITE 02	* 67	50	28	67	87	105	115	127	141	157	183	215	315	140	127	1.60
SUMMARY	* 67	97	28	73	104	117	138	152	170	199	263	293	1083	186	155	1.76
MT VERNON SITE 01	* 67	47	37	50	54	62	69	77	100	112	131	154	169	91	83	1.54
NASSAU COUNTY SITE 01	* 67	55	17	40	50	64	75	84	88	96	110	135	248	86	76	1.66
SITE 02	* 67	54	36	44	53	62	69	83	96	105	133	217	338	103	87	1.75
SITE 03	* 67	55	24	39	45	56	61	65	75	83	90	110	213	73	67	1.54
SITE 04	* 67	59	16	36	45	57	64	69	78	95	105	116	174	77	69	1.63
SUMMARY	* 67	223	16	40	50	60	65	74	85	95	108	135	338	84	74	1.64
NEW ROCHELLE SITE 02	* 67	48	30	56	63	75	85	93	103	120	136	152	206	100	93	1.50
NEW YORK CITY SITE 01	67	21	54	79	95	128	153	174	205	260	271	301	372	186	163	1.74
OSSINING SITE 01	* 67	50	21	37	46	53	63	75	84	100	112	132	200	81	72	1.64
POUGHKEEPSIE SITE 01	* 67	44	14	27	32	46	50	63	71	90	106	131	240	75	62	1.88
ROCHESTER SITE 01	* 67	52	36	65	75	81	87	97	118	126	148	185	236	112	104	1.51
ROCKLAND COUNTY SITE 01	* 67	44	23	28	37	50	53	60	67	77	97	129	172	70	62	1.68
ROCKVILLE CTR SITE 01	* 67	50	16	58	86	88	94	102	117	124	131	169	235	111	101	1.59
SAUGERTIES SITE 01	* 67	48	40	56	66	86	95	106	119	133	162	176	205	112	103	1.54
SCHENECTADY SITE 01	* 67	48	37	44	59	69	80	88	102	106	112	132	210	92	84	1.53
SCHENECTADY COUNTY SITE 11	* 67	45	17	26	29	36	43	53	56	62	65	85	117	53	48	1.58
SLOAN SITE 01	* 67	47	51	69	80	93	100	116	137	149	170	256	476	140	122	1.64

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo. dev.
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
SOUTHAMPTON SITE 01	* 67	48	12	21	25	29	30	32	33	35	43	47	94	35	32	1.46
SUFFOLK COUNTY SITE 01	* 67	48	23	30	39	46	54	59	69	77	92	128	250	70	61	1.67
SITE 02	* 67	49	16	30	35	40	50	57	61	70	81	119	209	64	55	1.68
SITE 11	* 67	47	23	29	41	45	49	53	57	66	70	83	136	58	54	1.47
SITE 22	* 67	48	18	35	45	48	53	57	69	74	84	94	166	64	59	1.51
SITE 31	* 67	49	10	17	21	24	27	29	31	36	42	50	87	32	29	1.54
SUMMARY	* 67	241	10	26	31	39	45	51	57	67	77	93	250	57	50	1.58
SYRACUSE SITE 01	* 67	52	53	68	104	115	139	157	184	237	277	335	442	184	159	1.76
TONAWANDA SITE 01	* 67	35	51	72	78	87	93	103	132	138	153	184	302	120	111	1.48
TROY SITE 02	* 67	43	26	45	47	50	54	58	63	69	77	84	143	63	60	1.37
UTICA SITE 01	* 67	50	38	48	59	78	86	102	116	133	142	161	231	109	98	1.60
WESTCHESTER COUNTY SITE 01	* 67	54	23	34	41	50	55	58	70	79	93	115	143	68	61	1.60
WHITE PLAINS SITE 01	* 67	58	28	46	53	63	72	78	89	107	122	141	264	89	80	1.57
YONKERS SITE 02	* 67	45	27	44	54	66	75	95	98	122	147	178	282	103	90	1.70
NORTH CAROLINA CHARLOTTE SITE 01	67	25	61	67	82	86	100	107	109	125	128	173	316	115	108	1.43
NORTH DAKOTA BISMARCK SITE 01	67	25	24	29	33	43	50	61	65	111	117	146	216	80	66	1.88
FARGO SITE 01	67	24	24	31	37	41	49	54	65	71	84	95	136	63	57	1.58
OHIO ADAMS COUNTY SITE 01	* 67	25	27	30	36	37	40	63	65	72	79	92	103	59	54	1.53
AKRON SITE 01	67	26	35	42	77	94	106	134	139	156	174	195	228	127	114	1.67
CANTON SITE 01	* 67	23	45	65	69	80	84	88	98	126	139	143	195	102	95	1.46
CINCINNATI SITE 01	67	25	56	68	75	77	98	120	126	146	160	184	225	119	111	1.49
SITE 02	* 67	24	34	39	49	63	66	76	88	89	111	136	151	81	74	1.54
SITE 03	67	146	22	71	82	95	107	114	126	139	154	189	301	123	114	1.48
SUMMARY	67	195	22	64	76	88	98	111	123	135	152	175	301	107	98	1.50
CLEVELAND SITE 01	67	26	42	55	64	73	86	91	111	131	143	146	189	102	95	1.50
COLUMBUS SITE 01	67	26	13	57	67	73	84	86	99	102	110	121	168	89	82	1.62
DAYTON SITE 01	67	26	36	41	77	80	89	97	127	171	185	249	293	129	110	1.80
EAST LIVERPOOL SITE 01	* 67	22	61	84	96	103	139	159	177	181	198	255	306	160	146	1.55
FRANKLIN SITE 01	* 67	25	24	38	46	63	69	73	89	101	125	142	182	86	76	1.70
GREENVILLE SITE 01	* 67	26	32	38	50	56	64	74	80	93	109	120	193	79	72	1.55
HAMILTON SITE 01	* 67	25	35	42	51	71	78	94	100	115	123	148	214	96	86	1.60

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
LORAIN SITE 01	* 67	26	26	35	37	43	52	55	60	86	93	120	252	74	62	1.76
MARYSVILLE SITE 01	* 67	26	31	51	75	82	98	105	109	119	132	146	207	102	95	1.52
NAPOLEON SITE 01	* 67	24	35	37	46	59	65	69	79	92	100	108	191	78	72	1.54
NEWARK SITE 01	* 67	25	41	57	82	96	101	116	131	134	142	184	305	123	112	1.56
PAINESVILLE SITE 01	* 67	22	51	56	59	68	69	85	97	102	107	116	186	88	83	1.39
PORTSMOUTH SITE 01	* 67	23	44	50	69	76	94	107	110	127	162	261	291	121	106	1.70
STEUBENVILLE SITE 01	* 67	26	28	81	131	144	171	248	304	379	490	593	936	299	227	2.23
TOLEDO SITE 01	67	26	20	43	54	58	73	79	83	104	121	130	155	83	75	1.63
UPPER SANDUSKY SITE 01	* 67	21	35	40	48	50	53	58	61	69	82	103	404	79	65	1.70
VAN WERT SITE 01	* 67	24	29	48	52	59	59	65	70	79	129	142	182	81	72	1.60
WARREN SITE 01	* 67	22	38	47	61	78	106	136	142	176	189	223	239	129	111	1.81
WASHINGTON COURT HOUSE SITE 01	* 67	21	43	72	97	104	110	117	122	128	152	182	262	125	117	1.48
WOOSTER SITE 01	* 67	26	24	42	53	55	68	75	85	102	108	152	261	91	78	1.73
YOUNGSTOWN SITE 01	67	26	48	63	89	94	104	111	125	153	175	225	235	127	117	1.54
OKLAHOMA																
OKLAHOMA CITY SITE 01	67	26	34	48	58	63	67	70	85	99	105	146	310	92	81	1.63
TULSA SITE 01	67	25	22	24	32	38	41	47	52	58	75	80	111	53	48	1.57
OREGON																
EUGENE SITE 01	67	24	22	45	48	58	62	76	82	87	135	151	211	84	73	1.72
MEDFORD SITE 01	67	26	26	33	49	65	94	100	104	116	154	198	247	104	87	1.87
PORTLAND SITE 01	67	26	15	42	49	60	72	75	86	108	118	149	220	87	76	1.77
PENNSYLVANIA																
ALLENTOWN SITE 01	67	25	28	59	75	84	87	103	110	117	144	200	311	114	100	1.68
ALTOONA SITE 01	67	25	48	67	73	82	88	100	103	122	149	158	204	108	102	1.42
BETHLEHEM SITE 01	67	25	41	70	85	90	101	114	136	144	170	240	354	137	122	1.62
ERIE SITE 01	67	26	47	52	61	77	86	89	105	118	125	139	193	98	91	1.45
LANCASTER SITE 01	67	24	61	71	77	98	101	107	112	115	152	156	301	118	110	1.45
PHILADELPHIA SITE 01	67	26	68	96	102	110	120	134	142	213	240	287	362	167	150	1.58
SITE 02	67	152	39	81	97	111	128	141	157	179	207	258	495	158	143	1.56
SUMMARY	67	178	39	81	98	111	128	141	157	182	211	263	495	162	146	1.57
PITTSBURGH SITE 01	67	25	68	80	89	98	108	133	161	180	195	229	259	145	134	1.51
READING SITE 01	67	25	13	36	53	58	65	96	111	125	136	188	348	109	87	2.02

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev'
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
SCRANTON SITE 01	67	23	81	89	102	130	150	178	225	313	318	422	783	234	194	1.84
WARMINSTER SITE 01	67	23	30	40	65	75	96	103	109	116	121	155	187	99	90	1.61
WEST CHESTER SITE 01	67	26	19	37	46	48	53	54	65	76	85	105	161	65	59	1.56
YORK SITE 01	67	26	35	55	59	64	71	83	101	131	145	156	204	99	90	1.59
PUERTO RICO BAYAMON SITE 01	67	25	51	55	64	72	77	109	128	165	181	244	362	131	111	1.77
GUAYANILLA SITE 01	67	23	9	29	29	30	35	36	40	42	48	65	78	40	37	1.52
PONCE SITE 01	67	24	32	84	110	126	153	162	194	218	239	243	355	174	156	1.68
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	17	33	42	43	45	50	69	76	80	94	144	62	56	1.60
PROVIDENCE SITE 01	67	23	39	73	77	81	90	91	105	116	121	136	177	101	96	1.37
SOUTH CAROLINA COLUMBIA SITE 01	67	26	30	51	58	64	71	72	86	90	93	111	169	79	75	1.42
ROCK HILL SITE 02	* 67	26	10	18	35	49	61	65	83	96	109	133	940	134	68	2.82
TENNESSEE CHATTANOOGA SITE 01	67	22	61	72	93	114	130	134	154	162	214	265	293	153	139	1.59
KNOXVILLE SITE 01	67	24	32	63	65	77	85	89	94	115	125	144	178	96	91	1.44
MEMPHIS SITE 01	67	26	26	53	68	78	96	99	103	117	117	127	142	94	88	1.49
NASHVILLE SITE 01	67	25	37	63	65	70	82	101	110	126	128	186	255	109	99	1.59
TEXAS AUSTIN SITE 01	* 67	24	42	62	66	78	87	94	97	125	150	171	180	104	97	1.49
BAYTOWN SITE 01	* 67	31	10	20	26	30	31	32	40	41	46	62	80	38	34	1.57
SITE 02	* 67	29	20	23	47	55	58	62	72	78	78	85	110	62	58	1.55
CLUTE CITY SITE 01	* 67	26	15	35	46	53	67	70	81	90	96	109	138	73	65	1.75
CORPUS CHRISTI SITE 01	* 67	26	27	43	54	59	63	67	75	84	86	101	133	70	67	1.41
SITE 02	* 67	26	20	31	46	52	60	65	74	81	87	108	121	68	62	1.54
SUMMARY	* 67	52	20	41	51	56	61	66	75	81	87	101	133	69	65	1.48
EL PASO SITE 01	* 67	24	60	84	94	109	116	136	147	164	227	302	426	162	143	1.63
FT WORTH SITE 01	* 67	24	47	63	70	75	79	84	86	88	93	100	118	82	80	1.23
GALVESTON SITE 01	* 67	26	25	33	35	39	46	47	50	61	66	90	180	56	50	1.53
HOUSTON SITE 01	67	26	31	61	75	88	102	111	120	130	162	169	189	113	105	1.54
LAREDO SITE 01	* 67	24	43	66	77	107	114	123	132	147	194	201	498	142	124	1.68
LUBBOCK SITE 01	* 67	26	29	36	60	66	84	103	113	162	168	216	341	118	98	1.89

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
MCALLEN SITE 01	* 67	23	16	61	74	81	105	116	126	145	152	172	272	120	105	1.77
ODESSA SITE 01	* 67	27	61	69	89	117	124	129	158	178	264	296	739	184	150	1.82
ORANGE SITE 01	* 67	25	33	43	54	65	69	71	78	93	102	114	152	79	74	1.47
PASADENA SITE 01	* 67	24	34	40	46	48	58	61	65	67	73	94	103	62	59	1.35
PORT ARTHUR SITE 01	* 67	23	23	25	38	45	47	49	51	66	71	77	149	55	50	1.53
SAN ANTONIO SITE 01	67	25	29	46	49	54	61	90	96	99	115	123	141	82	76	1.53
TEXARKANA SITE 01	* 67	24	15	29	36	39	46	49	53	67	75	105	135	57	51	1.68
TEXAS CITY SITE 01	* 67	26	23	30	38	39	43	46	49	53	55	60	61	46	44	1.30
TYLER SITE 01	* 67	25	20	42	46	49	61	67	79	94	100	116	361	87	72	1.80
WACO SITE 01	* 67	26	26	45	65	72	82	85	93	101	111	137	176	89	82	1.51
WICHITA FALLS SITE 01	* 67	26	48	53	69	77	83	93	109	128	169	243	439	127	107	1.75
UTAH																
SALT LAKE CITY SITE 01	67	25	33	34	44	56	58	71	75	88	102	120	178	77	70	1.57
VIRGINIA																
HAMPTON SITE 01	67	26	35	45	48	50	52	59	68	87	91	98	116	68	65	1.39
LYNCHBURG SITE 01	67	26	59	65	67	75	79	96	117	133	141	166	170	105	99	1.42
NORFOLK SITE 01	67	25	39	46	56	74	81	91	105	111	119	131	160	92	86	1.49
PORTSMOUTH SITE 01	67	26	25	41	71	80	83	85	88	97	103	121	151	86	81	1.51
RICHMOND SITE 01	67	26	41	55	71	72	80	91	100	113	122	147	189	97	91	1.45
ROANOKE SITE 01	67	25	42	49	53	60	62	71	80	85	98	120	190	80	74	1.44
WASHINGTON																
AUBURN SITE 01	* 67	118	9	15	20	28	38	52	60	69	84	103	164	54	43	2.05
BELLEVUE SITE 01	* 67	116	9	21	26	29	35	40	46	53	63	79	106	44	39	1.68
EVERETT SITE 02	* 67	101	20	35	43	51	55	64	69	75	86	97	193	67	61	1.53
RENTON SITE 01	* 67	121	7	17	20	27	36	47	56	67	75	86	128	49	40	2.03
SEATTLE SITE 01	67	26	35	39	48	52	58	59	71	74	78	110	146	68	63	1.43
SITE 02	* 67	110	17	34	43	48	54	58	69	78	84	106	166	66	60	1.57
SITE 03	* 67	112	13	38	55	66	77	92	136	158	186	227	388	123	97	2.06
SITE 05	* 67	112	24	54	65	75	89	103	123	132	147	171	241	109	99	1.60
SITE 06	* 67	110	19	29	35	42	46	52	58	66	75	85	200	58	52	1.56
SITE 07	* 67	116	20	33	38	43	47	51	59	63	72	95	211	60	54	1.55
SITE 08	* 67	91	16	25	30	38	45	51	59	70	97	144	247	69	55	1.93

*Data contributed by state or local agency.

Table 2-1 (continued). SUSPENDED PARTICULATE MATTER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TACOMA SITE 01	* 67	113	5	29	35	42	48	56	65	80	92	114	255	67	56	1.83
VANCOUVER SITE 01	* 67	118	21	30	39	51	60	65	71	81	92	109	184	70	62	1.61
WEST VIRGINIA CHARLESTON SITE 01	67	26	54	55	75	86	107	133	205	241	282	335	522	182	146	1.98
WISCONSIN EAU CLAIRE SITE 01	* 67	24	17	21	27	33	38	44	49	65	69	93	104	50	44	1.70
KENOSHA SITE 01	67	26	29	41	49	50	55	58	75	87	88	101	117	68	64	1.43
MADISON SITE 01	67	26	19	31	38	44	51	55	60	75	87	102	109	61	55	1.56
MILWAUKEE SITE 01	67	26	39	47	84	103	118	135	152	173	184	237	340	142	125	1.71
RACINE SITE 01	* 67	25	38	44	44	61	64	78	78	100	106	162	177	85	76	1.59
SUPERIOR SITE 01	* 67	23	37	50	62	66	79	84	87	96	104	114	172	84	80	1.41
WYOMING CASPER SITE 01	67	26	22	35	36	39	48	51	62	68	83	97	125	60	55	1.55
CHEYENNE SITE 01	67	24	18	21	21	24	25	30	31	33	36	56	93	34	31	1.52

*Data contributed by state or local agency.

Table 2-2. SUSPENDED PARTICULATE MATTER, NONURBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA GRAND CANYON NAT PK SITE 01	67	25	3	9	11	14	15	16	21	23	26	33	106	22	17	2.03
ARKANSAS MONTGOMERY COUNTY SITE 01	67	25	13	16	18	25	27	31	32	40	44	68	104	36	31	1.71
CALIFORNIA HUMBOLT COUNTY SITE 01	67	25	22	24	26	29	34	42	46	54	63	71	80	45	41	1.50
COLORADO MESA VERDE NAT PK SITE 01	67	24	2	8	9	11	13	14	17	18	24	36	92	19	15	2.05
DELAWARE KENT COUNTY SITE 01	67	25	21	29	33	38	42	57	64	70	78	85	119	57	52	1.59
IDAHO BUTTE COUNTY SITE 01	67	25	3	3	4	5	7	10	13	15	22	42	70	17	11	2.55
INDIANA MONROE COUNTY SITE 01	67	24	19	30	33	41	44	46	51	54	66	76	112	51	47	1.48
PARKE COUNTY SITE 01	67	21	18	22	27	34	43	45	49	51	55	63	84	44	41	1.53
MAINE ACADIA NAT PK SITE 01	67	21	8	12	17	21	22	25	28	33	34	46	103	29	25	1.77
MARYLAND CALVERT COUNTY SITE 01	67	26	12	22	27	30	35	38	41	45	47	68	70	39	36	1.49
MISSISSIPPI JACKSON COUNTY SITE 01	67	25	5	20	23	25	29	31	37	42	50	53	65	35	32	1.70
MISSOURI SHANNON COUNTY SITE 01	67	24	14	17	18	22	25	28	36	42	53	53	67	34	31	1.59
MONTANA GLACIER NAT PK SITE 01	67	25	4	4	5	6	8	8	13	20	31	52	70	18	12	2.46
NEBRASKA THOMAS COUNTY SITE 01	67	26	9	9	12	13	17	19	23	29	30	37	53	22	19	1.68
NEVADA WHITE PINE COUNTY SITE 01	67	24	1	1	3	4	4	6	10	11	12	13	47	9	6	2.56
NEW HAMPSHIRE COOS COUNTY SITE 01	67	26	8	10	15	16	19	20	24	28	30	40	56	24	21	1.65
NEW MEXICO RIO ARRIBA COUNTY SITE 01	67	23	8	13	14	14	19	20	22	29	40	56	144	30	23	1.97
NEW YORK JEFFERSON COUNTY SITE 01	67	26	7	9	13	15	21	23	30	38	48	77	102	33	25	2.09
NORTH CAROLINA CAPE HATTERAS SITE 01	67	23	20	23	29	35	42	44	54	67	113	121	164	61	50	1.85
NORTH DAKOTA WARD COUNTY SITE 01	67	29	6	13	14	20	25	28	34	49	61	63	75	34	28	1.92
OKLAHOMA CHEROKEE COUNTY SITE 01	67	25	17	18	26	31	36	40	40	46	50	74	118	44	39	1.62
OREGON CURRY COUNTY SITE 01	67	25	23	25	27	31	42	47	57	65	69	82	96	51	46	1.57

*Data contributed by state or local agency.

Table 2-2 (continued). SUSPENDED PARTICULATE MATTER, NONURBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
PENNSYLVANIA CLARION COUNTY SITE 01	67	24	15	23	25	31	33	47	54	68	85	117	129	56	46	1.89
RHODE ISLAND WASHINGTON COUNTY SITE 01	67	24	19	21	25	32	36	36	41	45	63	94	151	49	41	1.73
SOUTH CAROLINA RICHLAND COUNTY SITE 01	67	25	11	15	17	21	27	29	31	37	39	62	287	41	30	1.92
SOUTH DAKOTA BLACK HILLS NAT FOR SITE 01	67	25	8	8	10	15	15	23	30	36	49	62	86	31	23	2.12
TEXAS CHAMBERS COUNTY SITE 01	67	27	18	22	27	30	33	39	42	45	52	61	78	40	37	1.47
SITE 02	67	23	14	23	33	37	42	43	49	53	66	72	99	47	43	1.57
MATAGORDA COUNTY SITE 01	67	25	12	18	24	26	28	31	34	36	41	53	67	34	31	1.49
VERMONT ORANGE COUNTY SITE 01	67	26	20	23	26	30	34	35	43	55	61	72	140	48	41	1.67
VIRGINIA SHENANDOAH NAT PK SITE 01	67	26	12	17	22	23	26	26	29	30	31	41	57	29	27	1.45
WASHINGTON KING COUNTY SITE 01	67	114	1	4	5	7	8	13	23	28	33	48	76	21	13	2.70
WISCONSIN DOOR COUNTY SITE 01	67	21	5	9	10	11	14	15	21	26	30	46	62	22	17	1.98
WYOMING YELLOWSTONE PARK SITE 01	67	26	0	2	5	5	5	6	9	14	20	27	38	11	8	2.48

*Data contributed by state or local agency.

SECTION 3.

URBAN AND NONURBAN BENZENE-SOLUBLE ORGANIC CONSTITUENTS

Table 3-1. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
ALABAMA						
HUNTSVILLE						
SITE 01	67	5.1	3.0	3.9	9.1	5.3
MONTGOMERY						
SITE 01	67	10.9	4.2	5.7	12.8	8.4
ALASKA						
ANCHORAGE						
SITE 03	67	6.9	7.9	5.3	4.8	5.7
FAIRBANKS						
SITE 01	67	11.1	7.3	13.2	17.3	12.2
ARIZONA						
MARICOPA COUNTY						
SITE 01	67	2.3	1.4	1.1	3.5	2.1
PHOENIX						
SITE 02	67	17.7	5.7	5.8	12.2	9.8
TUCSON						
SITE 01	67	5.9	3.3	2.1	5.1	4.1
ARKANSAS						
LITTLE ROCK						
SITE 01	67	7.7	4.4	5.6	10.1	6.9
CALIFORNIA						
GLENDALE						
SITE 01	67	10.1	8.1	8.7	18.9	11.5
LONG BEACH						
SITE 01	67	19.4	5.0	5.5	20.0	12.5
LOS ANGELES						
SITE 01	67	12.0	6.6	6.1	18.9	10.9
OAKLAND						
SITE 01	67	13.4	5.7	4.1	9.9	8.3
SAN DIEGO						
SITE 01	67	10.1	3.3	4.1	8.9	6.6
SAN FRANCISCO						
SITE 01	67	10.1	3.1	4.5	10.5	6.6
COLORADO						
DENVER						
SITE 01	67	9.7	3.9	6.0	14.3	8.5
CONNECTICUT						
HARTFORD						
SITE 01	67	7.8	7.6	4.1	5.3	6.2
NEW HAVEN						
SITE 01	67	9.8	7.2	3.8	5.8	6.7
DELAWARE						
NEWARK						
SITE 01	67	5.7	2.8	2.5	5.2	4.0
WILMINGTON						
SITE 01	67	12.4	6.5	7.9	9.7	9.0
DC						
WASHINGTON						
SITE 01	67	4.8	3.9	5.8	7.4	5.4
GEORGIA						
ATLANTA						
SITE 01	67	10.3	5.5	5.8	12.1	8.4
HAWAII						
HONOLULU						
SITE 01	67	2.6	2.7	1.9	2.7	2.5
IDAHO						
BOISE						
SITE 01	67	6.8	3.8	5.8	6.4	5.7
ILLINOIS						
CHICAGO						
SITE 01	67	6.1	4.9	4.6	7.2	5.7
EAST ST LOUIS						
SITE 01	67	8.3	6.6	9.0	11.0	8.9
ROCKFORD						
SITE 01	67	4.2	4.4	5.3	3.2	4.3
SPRINGFIELD						
SITE 01	67	3.0	6.5	4.4	3.5	4.4

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
INDIANA						
EAST CHICAGO						
SITE 01	67	6.4	6.2	5.8	5.8	6.0
HAMMOND						
SITE 01	67	5.0	6.2	6.4	4.9	5.6
INDIANAPOLIS						
SITE 01	67	8.8	7.2	8.0	9.5	8.4
MUNCIE						
SITE 01	67	4.5	7.4	4.7	4.6	5.3
SOUTH BEND						
SITE 01	67	4.6	5.4	5.8	6.7	5.6
TERRE HAUTE						
SITE 01	67	7.1	6.0	4.4	6.0	5.9
IOWA						
CEDAR RAPIDS						
SITE 01	67	4.2	4.3	4.1	6.5	4.8
DES MOINES						
SITE 01	67	5.3	3.2	4.7	4.2	4.4
DUBUQUE						
SITE 01	67	6.1	5.3	5.3	6.4	5.8
KANSAS						
TOPEKA						
SITE 01	67	3.0	2.5	3.6	2.0	2.8
WICHITA						
SITE 01	67	3.0	4.0	2.9	3.4	3.8
KENTUCKY						
COVINGTON						
SITE 01	67	4.9	5.0	4.5	6.7	5.3
LEXINGTON						
SITE 01	67	4.0	4.3	3.6	4.1	4.0
LOUISVILLE						
SITE 01	67	6.7	6.3	6.2	5.1	6.1
LOUISIANA						
NEW ORLEANS						
SITE 02	67	6.3	4.2	7.4	8.6	6.6
MARYLAND						
BALTIMORE						
SITE 01	67	12.5	8.8	5.7	12.6	9.9
MICHIGAN						
DETROIT						
SITE 01	67	6.4	5.5	6.0	9.2	6.8
FLINT						
SITE 01	67	6.1	4.4	3.0	4.3	4.7
GRAND RAPIDS						
SITE 01	67	4.6	4.3	4.4	5.8	4.8
MINNESOTA						
MINNEAPOLIS						
SITE 01	67	5.8	5.3	5.7	4.8	5.4
ST PAUL						
SITE 01	67	7.2	4.2	6.9	8.9	6.8
MISSOURI						
KANSAS CITY						
SITE 01	67	7.1	7.3	10.9	7.9	8.3
ST LOUIS						
SITE 01	67	6.9	4.6	5.4	7.9	6.3
MONTANA						
HELENA						
SITE 01	67	3.7	2.0	2.8	4.9	3.4
NEBRASKA						
OMAHA						
SITE 01	67	6.6	5.3	4.8	7.9	6.2
NEVADA						
LAS VEGAS						
SITE 01	67	7.4	3.0	3.4	6.5	5.1
RENO						
SITE 01	67	20.6	4.4	7.2	14.4	11.7

Table 3-1 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
NEW HAMPSHIRE						
CONCORD						
SITE 01	67	5.6	5.0	2.7	5.1	4.6
NEW JERSEY						
BAYONNE						
SITE 01	67	11.1	7.8	9.0	6.5	8.1
BURLINGTON COUNTY						
SITE 02	67	7.5	5.7	4.8	6.8	6.2
GLASSBORO						
SITE 01	67	4.4	2.9	2.8	3.5	3.4
JERSEY CITY						
SITE 01	67	8.4	8.6	5.9	10.1	8.3
NEWARK						
SITE 01	67	9.0	6.9	5.3	7.8	7.7
PATERSON						
SITE 01	67	9.0	5.5	4.7	7.1	6.6
PERTH AMBOY						
SITE 01	67	8.4	4.8	7.0	9.4	7.4
NEW MEXICO						
ALBUQUERQUE						
SITE 01	67	10.0	4.6	3.3	11.1	7.3
NEW YORK						
NEW YORK CITY						
SITE 01	67	11.2	11.2	11.9	14.4	12.2
NORTH CAROLINA						
CHARLOTTE						
SITE 01	67	10.0	6.2	6.7	16.3	9.8
OHIO						
AKRON						
SITE 01	67	8.1	7.2	7.7	6.4	7.4
CINCINNATI						
SITE 01	67	4.7	4.8	6.0	7.5	5.8
CLEVELAND						
SITE 01	67	5.9	6.4	4.9	6.2	5.9
COLUMBUS						
SITE 01	67	4.6	4.7	4.0	5.1	4.8
DAYTON						
SITE 01	67	5.4	4.4	5.4	8.5	5.9
TOLEDO						
SITE 01	67	4.9	4.3	4.3	3.1	4.2
YOUNGSTOWN						
SITE 01	67	9.1	6.5	5.8	8.1	7.4
OKLAHOMA						
OKLAHOMA CITY						
SITE 01	67	4.9	4.7	4.5	3.7	4.5
TULSA						
SITE 01	67	5.0	2.6	2.5	1.9	3.0
OREGON						
EUGENE						
SITE 01	67	12.8	5.6	9.8	11.0	9.8
MEDFORD						
SITE 01	67	22.6	6.1	9.6	33.7	18.0
PORTLAND						
SITE 01	67	5.0	5.3	5.5	10.7	6.6
PENNSYLVANIA						
ALLENTOWN						
SITE 01	67	6.8	6.1	4.5	4.3	5.4
ALTOONA						
SITE 01	67	12.5	8.7	8.0	23.9	13.5
BETHLEHEM						
SITE 01	67	8.8	5.6	5.4	3.5	5.8
ERIE						
SITE 01	67	5.2	5.1	5.0	6.1	5.4

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
PENNSYLVANIA						
PHILADELPHIA						
SITE 01	67	14.6	9.4	7.7	13.1	11.1
PITTSBURGH						
SITE 01	67	7.4	7.6	6.0	10.2	7.8
READING						
SITE 01	67	10.5	4.6	3.5	7.2	6.5
SCRANTON						
SITE 01	67	34.4	13.6	9.1	21.6	19.7
WARMINSTER						
SITE 01	67	5.4	3.7	6.0	9.0	6.0
WEST CHESTER						
SITE 01	67	8.8	2.6	2.3	3.9	4.4
YORK						
SITE 01	67	7.8	4.2	4.1	7.4	5.9
PUERTO RICO						
BAYAMON						
SITE 01	67	2.9	1.7	2.0	3.1	2.4
GUAYANILLA						
SITE 01	67	1.9	1.5	1.1	2.2	1.6
PONCE						
SITE 01	67	7.6	4.3	3.1	4.3	4.8
SAN JUAN						
SITE 01	67	4.2	2.1	6.3	5.0	4.4
RHODE ISLAND						
EAST PROVIDENCE						
SITE 01	67	6.5	5.6	4.3	5.9	5.6
PROVIDENCE						
SITE 01	67	10.5	7.8	8.1	8.4	8.2
SOUTH CAROLINA						
COLUMBIA						
SITE 01	67	9.0	4.3	5.9	12.0	7.8
TENNESSEE						
CHATTANOOGA						
SITE 01	67	8.7	5.6	10.6	24.5	12.4
KNOXVILLE						
SITE 01	67	7.5	7.3	6.4	11.9	8.3
MEMPHIS						
SITE 01	67	5.5	4.8	5.0	8.6	6.0
NASHVILLE						
SITE 01	67	7.0	7.8	5.7	13.1	8.4
TEXAS						
HOUSTON						
SITE 01	67	6.8	4.5	6.9	7.5	6.4
PASADENA						
SITE 01	67	5.3	2.3	4.6	2.9	3.8
SAN ANTONIO						
SITE 01	67	9.9	2.7	3.6	5.5	5.4
UTAH						
SALT LAKE CITY						
SITE 01	67	4.5	2.0	2.0	2.8	2.8
VIRGINIA						
HAMPTON						
SITE 01	67	7.3	2.7	2.7	7.1	5.0
LYNCHBURG						
SITE 01	67	11.1	5.6	6.6	13.5	9.2
NORFOLK						
SITE 01	67	7.4	3.8	4.3	9.2	6.2
PORTSMOUTH						
SITE 01	67	7.6	4.5	3.4	7.3	5.7
RICHMOND						
SITE 01	67	7.4	4.0	4.4	8.6	6.1
ROANOKE						
SITE 01	67	9.7	4.8	5.5	9.9	7.5

Table 3-1 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
WASHINGTON						
SEATTLE						
SITE 01	67	6.2	5.1	5.4	8.5	6.3
WEST VIRGINIA						
CHARLESTON						
SITE 01	67	4.2	4.4	4.[illegible]	6.8	5.0
WISCONSIN						
KENOSHA						
SITE 01	67	4.9	3.2	3.7	4.1	4.0
MADISON						
SITE 01	67	5.1	3.7	4.4	4.7	4.4

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
MILWAUKEE						
SITE 01	67	6.2	[illegible]	3.4	5.6	[illegible]
WYOMING						
CASPER						
SITE 01	67	1.[illegible]	[illegible]	3.4	2.8	2.7
CHEYENNE						
SITE 01	67	2.2	[illegible]	[illegible]	2.8	2.4

Table 3-2. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO																
ADAMS COUNTY SITE 01	67	110	.8	2.2	3.3	3.8	4.6	5.7	7.0	7.9	9.2	14.5	35.1	7.4	5.7	2.05
ARVADA SITE 01	67	104	1.5	3.9	5.3	6.3	6.9	7.8	8.9	10.4	12.5	16.5	24.0	9.0	7.8	1.72
AURORA SITE 01	67	111	1.2	2.9	3.8	4.6	5.1	5.8	6.8	8.3	9.2	11.0	21.0	6.7	5.8	1.69
BOULDER SITE 01	67	89	.5	2.4	2.8	3.3	3.7	4.3	4.8	5.3	6.4	8.1	17.3	4.8	4.3	1.67
SITE 02	67	94	.4	1.7	2.2	2.8	3.1	3.5	3.7	4.3	5.2	6.5	11.2	3.8	3.3	1.77
BROOMFIELD SITE 01	67	90	.1	1.2	1.8	2.0	2.5	2.8	3.3	3.9	5.8	6.7	16.9	3.7	2.8	2.13
COLORADO SPRINGS SITE 03	67	111	.8	2.3	3.3	3.5	4.0	4.4	5.2	6.6	7.4	9.9	14.1	5.3	4.7	1.70
DENVER SITE 01	67	106	2.5	3.9	5.1	6.2	6.9	7.4	8.2	10.1	11.8	19.0	31.1	9.4	8.0	1.73
SITE 03	67	109	2.0	6.0	8.3	9.3	10.1	11.4	12.9	15.7	18.2	22.3	36.5	13.2	11.7	1.66
SITE 04	67	119	1.0	3.4	4.2	5.7	7.2	7.9	8.9	10.9	15.0	18.6	38.2	9.8	7.9	1.98
SITE 05	67	103	1.8	3.2	4.3	5.1	6.1	6.8	7.4	8.7	10.1	14.1	32.7	8.0	6.8	1.77
SITE 06	67	107	.9	2.4	3.0	3.4	4.1	5.3	6.3	7.1	8.9	12.2	19.7	6.2	5.2	1.85
SITE 07	67	111	1.5	3.7	4.3	5.1	5.6	6.0	6.7	7.7	9.1	10.9	20.8	6.9	6.2	1.59
DURANGO SITE 03	67	110	1.3	2.1	2.5	2.9	3.3	3.8	4.4	5.1	6.0	8.5	23.8	4.7	4.0	1.74
ENGLEWOOD SITE 01	67	111	1.8	3.6	4.6	5.2	6.1	6.6	8.0	9.8	11.7	15.4	32.6	8.5	7.2	1.77
FORT COLLINS SITE 01	67	86	.3	1.7	2.2	3.2	3.6	4.4	5.1	5.7	6.8	8.3	13.7	4.7	3.9	1.98
GLENWOOD SPRINGS SITE 01	67	99	1.6	2.4	3.4	4.1	4.6	5.2	5.7	6.2	7.5	9.2	16.9	5.6	5.0	1.64
GOLDEN SITE 01	67	106	1.3	2.6	3.2	3.6	3.9	4.5	5.0	5.6	6.6	8.0	20.4	5.1	4.5	1.64
GRAND JUNCTION SITE 03	67	82	.8	3.2	3.9	4.3	4.8	6.0	6.8	7.7	9.9	12.9	16.1	6.7	5.8	1.77
GREELEY SITE 01	67	114	.9	2.2	2.8	3.4	4.0	4.8	5.9	7.7	8.8	11.5	17.0	6.0	5.0	1.85
SITE 02	67	117	.2	2.1	2.5	3.0	3.5	3.9	4.6	5.5	6.8	7.9	13.7	4.6	4.0	1.77
LAKEWOOD SITE 01	67	116	.8	2.1	2.8	3.4	3.9	4.2	4.7	5.4	5.9	8.1	12.5	4.7	4.1	1.67
LONGMONT SITE 01	67	92	1.2	2.4	2.7	3.4	4.1	4.7	5.9	7.5	9.0	11.2	26.6	6.6	5.1	2.01
MANITOU SPRINGS SITE 01	67	107	1.0	2.5	3.2	3.7	4.1	4.7	5.0	5.5	6.1	7.1	10.1	4.7	4.4	1.49
MONTROSE SITE 01	67	106	1.1	2.8	3.7	4.2	4.8	5.3	6.0	7.0	8.0	8.7	17.7	5.8	5.3	1.60
PUEBLO SITE 01	67	107	1.8	4.2	5.0	5.5	6.0	6.7	8.3	9.8	11.4	12.9	21.9	8.1	7.3	1.61
SITE 02	67	106	.9	2.6	3.4	3.8	4.2	4.5	4.9	6.0	7.1	9.3	15.5	5.4	4.8	1.67
SITE 03	67	104	1.4	4.8	6.0	6.9	7.8	8.6	9.3	9.9	12.7	16.2	29.7	9.5	8.4	1.65
SITE 04	67	109	.8	2.1	2.6	2.9	3.3	3.9	4.3	5.4	6.6	8.4	13.2	4.6	4.0	1.70
SITE 05	67	112	1.2	2.4	3.1	3.5	3.9	4.4	4.8	5.2	6.3	9.0	12.9	5.0	4.4	1.62
SITE 06	67	112	.9	3.3	3.6	4.4	4.7	5.5	6.0	7.6	8.6	10.0	18.0	6.3	5.6	1.66
STERLING SITE 01	67	92	.9	2.1	2.7	3.7	4.0	4.5	5.3	6.2	8.0	11.5	17.6	5.7	4.6	1.95
TRINIDAD SITE 01	67	115	.4	1.9	2.6	3.1	3.5	3.9	4.2	4.7	5.3	6.2	13.0	4.1	3.6	1.75

*Data contributed by state or local agency.

Table 3-2 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MASSACHUSETTS																
BOSTON SITE 01	67	24	2.3	4.0	4.4	5.3	5.7	6.5	7.8	8.8	9.7	10.5	16.9	7.2	6.6	1.55
BROCKTON SITE 02	67	22	3.0	3.4	4.0	5.9	6.0	6.7	8.1	9.9	11.1	12.4	22.0	7.9	6.9	1.70
LAWRENCE SITE 01	67	26	2.0	3.4	3.9	4.6	5.3	5.9	6.7	8.6	9.3	15.3	24.2	7.7	6.4	1.80
NEW BEDFORD SITE 01	67	24	2.6	3.0	3.8	4.6	5.5	6.0	7.8	8.0	9.7	10.0	16.0	6.8	6.1	1.63
SPRINGFIELD SITE 01	67	24	2.0	2.0	3.0	3.8	4.3	6.3	9.0	10.1	13.1	15.5	17.4	7.7	6.1	2.04
NEW YORK																
ALBANY SITE 01	67	42	1.3	2.2	2.8	3.2	3.6	4.0	4.3	4.6	5.9	7.8	12.5	4.4	4.0	1.61
BINGHAMTON SITE 02	67	48	2.0	2.8	3.1	3.5	4.1	4.3	5.1	5.6	7.5	10.4	22.4	5.7	4.9	1.69
BUFFALO SITE 01	67	72	1.6	3.5	4.1	5.4	5.8	6.3	7.5	8.8	11.1	14.5	28.9	8.1	6.8	1.77
ELMIRA SITE 01	67	38	2.1	2.4	3.6	3.9	4.3	4.5	4.8	5.4	6.1	7.1	16.5	5.1	4.6	1.51
NEW ROCHELLE SITE 02	67	46	2.8	5.4	5.7	6.7	7.3	8.2	9.5	12.1	13.7	17.4	24.6	10.0	8.9	1.62
ROCHESTER SITE 01	67	48	2.3	3.8	4.9	5.3	5.7	5.8	6.4	7.1	8.3	10.3	16.7	6.7	6.2	1.49
SCHENECTADY SITE 01	67	46	1.9	2.9	3.7	4.4	4.8	5.4	5.8	6.4	7.1	9.6	32.3	6.2	5.4	1.63
TROY SITE 02	67	42	2.3	2.8	3.1	3.4	3.7	3.9	4.3	5.1	5.6	6.4	9.4	4.4	4.2	1.40
UTICA SITE 01	67	50	2.3	2.9	4.3	5.3	5.8	6.7	7.1	7.9	9.0	10.2	14.5	6.9	6.3	1.54
OHIO																
ADAMS COUNTY SITE 01	67	25	1.9	2.6	2.7	3.7	3.8	4.1	4.4	5.9	7.0	8.5	13.3	5.1	4.5	1.66
CANTON SITE 01	67	23	1.0	3.2	4.4	5.7	6.7	7.1	7.6	8.4	9.4	10.9	12.6	7.1	6.3	1.76
EAST LIVERPOOL SITE 01	67	22	3.6	4.5	5.1	6.0	6.5	7.3	11.3	13.1	14.5	17.2	20.5	10.0	8.7	1.72
FRANKLIN SITE 01	67	25	1.8	2.8	3.5	3.9	4.1	4.7	7.2	7.7	8.6	9.1	11.6	5.9	5.2	1.67
GREENVILLE SITE 01	67	26	1.3	2.9	3.9	4.0	4.8	5.2	5.8	7.1	7.5	11.4	13.7	6.1	5.3	1.69
HAMILTON SITE 01	67	25	2.8	3.4	4.1	5.0	5.3	6.5	7.2	7.8	8.2	10.4	18.4	6.9	6.2	1.56
LORAIN SITE 01	67	26	1.5	2.3	3.3	4.0	4.2	4.6	6.0	7.1	8.2	8.7	12.7	5.6	5.0	1.68
MARYSVILLE SITE 01	67	26	2.3	3.2	3.8	4.5	5.4	6.6	6.9	7.3	8.8	11.6	13.0	6.6	5.9	1.58
NAPOLEON SITE 01	67	24	1.5	2.7	2.8	4.2	4.5	4.7	5.2	5.6	7.0	9.9	13.3	5.4	4.8	1.66
NEWARK SITE 01	67	25	2.5	4.3	5.0	6.8	8.5	9.6	10.1	11.1	11.7	14.3	19.6	9.3	8.4	1.65
PAINESVILLE SITE 01	67	22	.1	3.4	4.1	4.4	5.5	6.3	7.9	8.0	8.5	9.0	14.0	6.4	5.1	2.66
PORTSMOUTH SITE 01	67	23	2.9	3.3	3.6	5.3	6.3	8.3	9.9	13.4	14.4	19.1	24.4	9.8	8.1	1.91

*Data contributed by state or local agency.

Table 3-2 (continued). BENZENE-SOLUBLE ORGANIC CONSTITUENTS, FREQUENCY DISTRIBUTIONS FROM CONTRIBUTING NETWORKS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
STEUBENVILLE SITE 01	67	26	3.8	6.8	7.6	8.2	9.7	11.6	16.1	20.4	21.3	30.5	38.7	15.7	13.1	1.86
UPPER SANDUSKY SITE 01	67	21	1.8	2.1	2.4	2.6	3.3	3.6	3.8	4.6	5.0	6.5	7.7	3.9	3.6	1.55
VAN WERT SITE 01	67	24	1.6	2.6	3.2	4.0	4.6	5.0	6.2	7.1	7.5	9.4	10.4	5.6	5.0	1.62
WARREN SITE 01	67	22	3.1	4.0	5.9	7.7	9.0	9.2	9.8	11.0	18.5	24.4	26.9	11.7	9.8	1.85
WASHINGTON COURT HOUSE SITE 01	67	21	2.8	4.1	4.8	5.2	5.8	6.1	7.9	9.3	9.8	11.9	13.8	7.4	6.8	1.55
WOOSTER SITE 01	67	26	2.0	3.2	3.5	3.6	4.6	5.0	6.3	7.4	9.7	15.3	18.3	6.8	5.8	1.77
TEXAS																
AUSTIN SITE 01	67	24	2.5	3.2	3.3	3.4	4.6	4.8	5.5	6.2	7.3	9.3	14.4	5.5	5.0	1.56
BAYTOWN SITE 01	67	31	.6	1.3	1.5	1.8	1.9	2.4	2.8	3.1	3.5	4.1	5.7	2.6	2.3	1.65
SITE 02	67	28	1.0	2.1	2.6	2.9	3.2	3.2	3.6	4.1	5.2	6.0	9.4	3.9	3.5	1.64
CLUTE CITY SITE 01	67	26	1.2	1.4	1.6	1.6	1.7	2.2	3.1	3.9	4.9	6.1	10.2	3.2	2.6	1.86
CORPUS CHRISTI SITE 01	67	26	.9	2.4	2.6	2.7	2.9	3.5	4.0	4.6	4.9	8.0	11.1	4.2	3.7	1.69
SITE 02	67	26	1.1	1.7	1.8	1.8	2.4	2.6	3.2	3.8	4.1	5.5	6.5	3.1	2.8	1.59
EL PASO SITE 01	67	24	2.1	3.2	4.9	5.3	7.0	7.4	9.0	9.6	10.9	12.0	26.6	8.4	7.2	1.79
FT WORTH SITE 01	67	24	3.0	3.6	4.0	4.3	4.7	5.4	6.4	6.8	8.8	10.3	15.5	6.3	5.8	1.51
GALVESTON SITE 01	67	26	1.1	1.4	1.6	1.8	2.2	2.6	2.8	3.5	3.8	5.4	11.7	3.1	2.7	1.73
LAREDO SITE 01	67	24	.7	2.8	3.3	3.6	4.0	4.4	5.1	6.3	7.9	10.6	36.5	6.4	.4	1.00
LUBBOCK SITE 01	67	26	.8	1.5	2.9	3.4	3.7	3.7	4.5	5.5	6.7	8.3	9.5	4.6	.4	1.00
MCALLEN SITE 01	67	23	2.7	3.6	4.1	4.4	4.8	4.9	5.6	6.4	7.1	10.5	21.9	6.6	.4	1.00
ODESSA SITE 01	67	27	.7	3.2	3.8	4.5	4.7	5.5	6.7	7.6	8.2	10.3	13.3	6.1	.4	1.00
ORANGE SITE 01	67	25	2.0	3.0	3.7	4.2	4.6	5.3	5.4	6.7	7.0	8.6	9.3	5.5	.4	1.00
PORT ARTHUR SITE 01	67	23	1.4	1.7	2.0	2.2	2.9	3.2	3.4	4.1	4.5	6.0	14.8	3.8	.5	1.00
TEXARKANA SITE 01	67	24	2.1	3.0	3.2	3.9	4.3	4.8	5.3	6.8	7.7	11.2	12.6	5.7	.4	1.00
TEXAS CITY SITE 01	67	26	1.5	1.8	1.9	2.0	2.3	3.0	3.3	4.1	6.3	7.4	9.8	3.7	.5	1.00
TYLER SITE 01	67	25	1.5	3.4	4.1	4.6	5.1	6.4	6.8	8.2	8.6	9.9	13.2	6.6	.4	1.00
WACO SITE 01	67	26	2.1	3.1	3.4	3.6	4.1	4.4	6.2	6.6	7.8	13.6	17.8	6.2	.4	1.00
WICHITA FALLS SITE 01	67	26	2.4	2.6	3.4	3.9	4.4	5.0	5.7	7.0	7.9	9.5	13.5	5.8	.4	1.00
CHAMBERS COUNTY SITE 01	67	27	.1	.4	.9	1.3	1.4	1.8	2.8	3.7	4.0	5.0	8.4	2.6	1.8	2.71
SITE 02	67	23	.6	1.1	1.5	1.7	1.9	2.3	3.3	4.5	5.4	6.1	8.3	3.3	2.6	2.12

*Data contributed by state or local agency.

Table 3-3. BENZENE-SOLUBLE ORGANIC CONSTITUENTS, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
ARIZONA						
GRAND CANYON NAT PK						
SITE 01	67	1.7	1.2	2.7	1.5	1.8
ARKANSAS						
MONTGOMERY COUNTY						
SITE 01	67	2.1	1.7	2.1	3.3	2.3
CALIFORNIA						
HUMBOLDT COUNTY						
SITE 01	67	2.2	1.1	3.1	2.8	2.3
COLORADO						
MESA VERDE NAT PK						
SITE 01	67	.5	.7	1.2	.9	.8
DELAWARE						
KENT COUNTY						
SITE 01	67	3.8	2.1	2.6	2.1	2.7
IDAHO						
BUTTE COUNTY						
SITE 01	67	1.0	.9	1.4	1.5	1.2
INDIANA						
MONROE COUNTY						
SITE 01	67	1.7	1.5	2.0	2.0	1.8
PARKE COUNTY						
SITE 01	67	1.6	1.3	1.9	1.5	1.6
MAINE						
ACADIA NATIONAL PARK						
SITE 01	67	1.0	1.2	3.2	.7	1.5
MARYLAND						
CALVERT COUNTY						
SITE 01	67	3.5	1.7	2.6	2.6	2.6
MISSISSIPPI						
JACKSON COUNTY						
SITE 01	67	5.7	1.4	2.4	3.6	3.3
MISSOURI						
SHANNON COUNTY						
SITE 01	67	2.0	1.8	1.5	1.4	1.7
MONTANA						
GLACIER NATIONAL PARK						
SITE 01	67	1.0	.7	2.2	.9	1.2
NEBRASKA						
THOMAS COUNTY						
SITE 01	67	1.0	.9	1.4	1.6	1.2
NEVADA						
WHITE PINE COUNTY						
SITE 01	67	.5	.6	.8	.3	.6

Station location	Year	Concentration, ug/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg
NEW HAMPSHIRE						
COOS COUNTY						
SITE 01	67	1.8	1.2	1.8	1.4	1.6
NEW MEXICO						
RIO ARRIBA COUNTY						
SITE 01	67	1.3	1.1	1.4	1.4	1.3
NEW YORK						
JEFFERSON COUNTY						
SITE 01	67	1.5	1.4	1.5	1.3	1.4
NORTH CAROLINA						
CAPE HATTERAS NAT SEA						
SITE 01	67	1.5	.7	1.3	1.5	1.3
OKLAHOMA						
CHEROKEE COUNTY						
SITE 01	67	3.0	1.8	1.7	1.6	2.0
OREGON						
CURRY COUNTY						
SITE 01	67	1.0	.5	1.3	.9	.9
PENNSYLVANIA						
CLARION COUNTY						
SITE 01	67	2.9	2.0	7.2	.5	3.2
RHODE ISLAND						
WASHINGTON COUNTY						
SITE 01	67	4.6	2.6	2.3	3.8	3.3
SOUTH CAROLINA						
RICHLAND COUNTY						
SITE 01	67	2.7	1.4	1.4	3.3	2.2
SOUTH DAKOTA						
BLACK HILLS NAT FOREST						
SITE 01	67	.8	.6	1.3	.9	.9
TEXAS						
MATAGORDA COUNTY						
SITE 01	67	1.3	.8	1.8	1.2	1.3
VERMONT						
ORANGE COUNTY						
SITE 01	67	3.3	2.4	2.6	2.2	2.6
VIRGINIA						
SHENANDOAH NATIONAL PK						
SITE 01	67	1.6	1.2	1.7	1.6	1.5
WISCONSIN						
DOOR COUNTY						
SITE 01	67	.7	1.1	1.5	.7	1.0
WYOMING						
YELLOWSTONE PARK						
SITE 01	67	1.0	.6	1.1	.8	.9

Table 3-4. BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m³ 1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
ALABAMA						
HUNTSVILLE SITE 01	67	3.11	1.00	.34	7.90	3.09
MONTGOMERY SITE 01	67	3.68	.87	.67	3.90	2.28
ALASKA						
ANCHORAGE SITE 03	67	3.04	2.42	.57	1.62	1.91
FAIRBANKS SITE 01	67	5.72	1.82	2.54	9.82	4.98
ARIZONA						
MARICOPA COUNTY SITE 01	67	.15	.09	.16	.27	.17
PHOENIX SITE 02	67	3.54	.54	.42	5.45	2.49
TUCSON SITE 01	67	1.24	.43	.35	.78	.70
ARKANSAS						
LITTLE ROCK SITE 01	67	.99	.78	.63	2.13	1.13
CALIFORNIA						
GLENDALE SITE 01	67	1.85	.52	.25	1.45	1.02
LONG BEACH SITE 01	67	3.18	.59	.42	3.48	1.92
LOS ANGELES SITE 01	67	2.59	.70	.36	1.60	1.31
OAKLAND SITE 01	67	2.55	.88	.95	2.38	1.69
SAN DIEGO SITE 01	67	2.12	.53	.44	3.11	1.55
SAN FRANCISCO SITE 01	67	2.53	.57	.40	2.60	1.53
COLORADO						
DENVER SITE 01	67	3.05	.99	1.00	4.44	2.37
CONNECTICUT						
HARTFORD SITE 01	67	3.40	2.77	.75	1.43	2.09
NEW HAVEN SITE 01	67	3.14	2.32	.70	1.58	1.94
DELAWARE						
NEWARK SITE 01	67	2.37	.66	.44	1.92	1.35
WILMINGTON SITE 01	67	5.06	1.66	1.10	3.11	2.73
DC						
WASHINGTON SITE 01	67	2.48	1.11	1.47	2.47	1.88
GEORGIA						
ATLANTA SITE 01	67	4.79	1.08	.60	5.34	2.95
HAWAII						
HONOLULU SITE 01	67	.33	.62	.34	.52	.45
IDAHO						
BOISE SITE 01	67	3.88	.82	.78	3.90	2.35
ILLINOIS						
CHICAGO SITE 01	67	2.64	2.08	2.25	5.00	2.99
EAST ST LOUIS SITE 01	67	6.35	1.65	2.10	9.61	4.93
ROCKFORD SITE 01	67	1.92	.81	1.45	1.25	1.36
SPRINGFIELD SITE 01	67	1.42	1.69	1.16	1.29	1.39

Station location	Year	Concentration, ng/m³ 1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
INDIANA						
EAST CHICAGO SITE 01	67	6.04	9.04	4.48	3.30	5.72
HAMMOND SITE 01	67	2.50	3.93	1.92	1.63	2.50
INDIANAPOLIS SITE 01	67	7.99	3.02	2.93	8.73	5.67
MUNCIE SITE 01	67	1.82	1.59	.97	1.94	1.58
SOUTH BEND SITE 01	67	3.49	1.59	1.75	3.43	2.57
TERRE HAUTE SITE 01	67	5.41	2.72	2.52	4.07	3.68
IOWA						
CEDAR RAPIDS SITE 01	67	.94	.62	.37	1.29	.81
DES MOINES SITE 01	67	7.96	.67	.69	1.45	2.69
DUBUQUE SITE 01	67	3.44	1.01	.84	2.19	1.87
KANSAS						
TOPEKA SITE 01	67	.75	.40	.49	.28	.48
WICHITA SITE 01	67	.70	.53	.32	.47	.51
KENTUCKY						
COVINGTON SITE 01	67	2.06	.77	.71	4.04	1.90
LEXINGTON SITE 01	67	1.89	2.22	.46	2.42	1.75
LOUISVILLE SITE 01	67	3.61	1.74	.92	2.22	2.12
LOUISIANA						
NEW ORLEANS SITE 02	67	1.85	1.06	1.27	3.00	1.80
MARYLAND						
BALTIMORE SITE 01	67	5.02	3.22	1.00	5.85	3.77
MICHIGAN						
DETROIT SITE 01	67	5.58	2.90	1.74	11.20	5.36
FLINT SITE 01	67	2.16	1.40	.45	1.45	1.37
GRAND RAPIDS SITE 01	67	3.01	2.10	1.15	4.73	2.75
MINNESOTA						
MINNEAPOLIS SITE 01	67	1.90	.71	1.33	1.18	1.28
ST PAUL SITE 01	67	1.72	.96	1.04	5.41	2.28
MISSOURI						
KANSAS CITY SITE 01	67	3.91	1.18	21.08	2.11	7.07
ST LOUIS SITE 01	67	3.96	.72	.84	3.86	2.35
MONTANA						
HELENA SITE 01	67	.75	.77	.30	1.49	.83
NEBRASKA						
OMAHA SITE 01	67	1.23	.91	.90	2.20	1.31
NEVADA						
LAS VEGAS SITE 01	67	1.50	.47	.35	1.94	1.05
RENO SITE 01	67	8.77	1.22	1.15	7.16	4.58

Table 3-4 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m³ 1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
NEW HAMPSHIRE						
CONCORD						
SITE 01	67	2.39	.96	.38	2.16	1.47
NEW JERSEY						
BAYONNE						
SITE 01	67	3.18	1.84	4.33	2.97	3.08
BURLINGTON COUNTY						
SITE 02	67	2.10	1.37	.68	2.33	1.62
GLASSBORO						
SITE 01	67	1.17	1.20	.36	.62	.84
JERSEY CITY						
SITE 01	67	3.17	1.63	1.43	7.90	3.53
NEWARK						
SITE 01	67	4.70	2.26	1.26	4.80	3.26
PATERSON						
SITE 01	67	2.58	1.29	.73	2.97	1.89
PERTH AMBOY						
SITE 01	67	3.06	1.04	1.23	3.21	2.14
NEW MEXICO						
ALBUQUERQUE						
SITE 01	67	3.74	.50	.28	2.95	1.87
NEW YORK						
NEW YORK CITY						
SITE 01	67	5.20	4.05	1.25	5.24	3.94
NORTH CAROLINA						
CHARLOTTE						
SITE 01	67	9.35	1.14	1.36	13.49	6.34
OHIO						
AKRON						
SITE 01	67	8.60	2.36	1.78	2.10	3.71
CINCINNATI						
SITE 01	67	2.29	1.10	.89	3.12	1.85
CLEVELAND						
SITE 01	67	4.61	2.25	1.14	3.56	2.89
COLUMBUS						
SITE 01	67	2.24	.94	.97	2.43	1.65
DAYTON						
SITE 01	67	4.19	.81	1.08	8.86	3.74
TOLEDO						
SITE 01	67	3.18	1.49	1.64	1.24	1.89
YOUNGSTOWN						
SITE 01	67	13.58	5.71	6.09	7.28	8.17
OKLAHOMA						
OKLAHOMA CITY						
SITE 01	67	.99	.61	.54	.70	.72
TULSA						
SITE 01	67	1.26	.39	.44	.29	.60
OREGON						
EUGENE						
SITE 01	67	4.25	1.20	.63	3.42	2.38
MEDFORD						
SITE 01	67	5.61	2.76	1.47	9.36	4.79
PORTLAND						
SITE 01	67	1.60	3.76	1.91	6.77	3.51
PENNSYLVANIA						
ALLENTOWN						
SITE 01	67	1.69	2.79	.97	1.69	1.79
ALTOONA						
SITE 01	67	44.55	13.55	8.70	51.30	29.53
BETHLEHEM						
SITE 01	67	3.30	2.14	3.34	2.71	2.87
ERIE						
SITE 01	67	2.86	2.41	1.35	8.64	3.82
LANCASTER						
SITE 01	67	3.39	1.60	.80	2.34	2.03
PHILADELPHIA						
SITE 01	67	9.03	2.31	2.02	10.08	5.86
PITTSBURGH						
SITE 01	67	6.38	6.47	2.96	11.98	6.95
READING						
SITE 01	67	5.47	1.11	1.02	3.95	2.89
SCRANTON						
SITE 01	67	6.86	3.56	2.76	7.53	5.18
WARMINSTER						
SITE 01	67	3.26	.99	1.39	3.18	2.21
WEST CHESTER						
SITE 01	67	1.92	.83	.34	1.22	1.08
YORK						
SITE 01	67	2.89	1.04	.54	2.49	1.75
PUERTO RICO						
BAYAMON						
SITE 01	67	.51	.18	.29	.39	.34
GUAYANILLA						
SITE 01	67	.21	.37	.24	.33	.29
PONCE						
SITE 01	67	.98	.52	.52	.95	.74
SAN JUAN						
SITE 01	67	.92	.35	.91	1.34	.88
RHODE ISLAND						
EAST PROVIDENCE						
SITE 01	67	2.13	1.20	1.34	1.61	1.57
PROVIDENCE						
SITE 01	67	3.05	2.09	2.10	3.82	2.77
SOUTH CAROLINA						
COLUMBIA						
SITE 01	67	5.44	.80	.93	9.49	4.17
TENNESSEE						
CHATTANOOGA						
SITE 01	67	6.67	2.11	43.44	39.23	22.86
KNOXVILLE						
SITE 01	67	6.26	5.26	1.88	14.66	7.02
MEMPHIS						
SITE 01	67	2.78	.95	.67	1.99	1.60
NASHVILLE						
SITE 01	67	6.32	1.44	1.24	18.90	6.98
TEXAS						
HOUSTON						
SITE 01	67	.55	1.11	.87	2.71	1.31
PASADENA						
SITE 01	67	1.04	.33	.48	.60	.61
SAN ANTONIO						
SITE 01	67	2.73	.50	.40	1.79	1.36
UTAH						
SALT LAKE CITY						
SITE 01	67	1.44	.21	.25	.72	.66
VIRGINIA						
HAMPTON						
SITE 01	67	3.72	1.03	.33	3.72	2.20
LYNCHBURG						
SITE 01	67	14.33	3.96	1.58	17.01	9.22
NORFOLK						
SITE 01	67	7.03	1.28	.67	5.15	3.52
PORTSMOUTH						
SITE 01	67	9.15	3.20	.90	17.58	7.71
RICHMOND						
SITE 01	67	6.94	2.01	.75	11.20	5.23
ROANOKE						
SITE 01	67	15.75	1.61	.87	11.63	7.47
WASHINGTON						
SEATTLE						
SITE 01	67	2.60	1.01	1.00	2.65	1.82

Table 3-4 (continued). BENZO(a)PYRENE, URBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m³				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
WEST VIRGINIA						
CHARLESTON						
SITE 01	67	2.87	1.55	1.40	2.30	2.03
WISCONSIN						
KENOSHA						
SITE 01	67	2.46	1.35	.65	1.45	1.48
MADISON						
SITE 01	67	1.64	.76	.60	1.53	1.13
MILWAUKEE						
SITE 01	67	4.78	6.39	1.83	3.93	4.23

Station location	Year	Concentration, ng/m³				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
WYOMING						
CASPER						
SITE 01	67	.42	.71	.46	.48	.52
CHEYENNE						
SITE 01	67	.39	.37	.26	.42	.36

Table 3-5. BENZO(a)PYRENE, NONURBAN QUARTERLY AND YEARLY AVERAGES

Station location	Year	Concentration, ng/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
ARIZONA						
GRAND CANYON NAT PK						
SITE 01	67	.20	.11	.23	.18	.18
ARKANSAS						
MONTGOMERY COUNTY						
SITE 01	67	.20	.08	.10	.14	.13
CALIFORNIA						
HUMBOLDT COUNTY						
SITE 01	67	.64	.27	.33	.35	.39
COLORADO						
MESA VERDE NAT PK						
SITE 01	67	.14	.06	.10	.08	.10
DELAWARE						
KENT COUNTY						
SITE 01	67	.53	.27	.33	.25	.35
IDAHO						
BUTTE COUNTY						
SITE 01	67	.13	.08	.10	.11	.11
INDIANA						
MONROE COUNTY						
SITE 01	67	.30	.27	.38	.29	.30
PARKE COUNTY						
SITE 01	67	.34	.31	.24	.24	.28
MAINE						
ACADIA NATIONAL PARK						
SITE 01	67	.23	.10	.49	.03	.21
MARYLAND						
CALVERT COUNTY						
SITE 01	67	.78	.08	.39	.14	.35
MISSISSIPPI						
JACKSON COUNTY						
SITE 01	67	.97	.15	.14	.20	.37
MISSOURI						
SHANNON COUNTY						
SITE 01	67	.33	.11	.14	.10	.17
MONTANA						
GLACIER NATIONAL PARK						
SITE 01	67	.45	.24	.39	.19	.32
NEBRASKA						
THOMAS COUNTY						
SITE 01	67	.14	.08	.10	.18	.13
NEVADA						
WHITE PINE COUNTY						
SITE 01	67	.10	.07	.12	.04	.08

Station location	Year	Concentration, ng/m3				
		1st quar.	2nd quar.	3rd quar.	4th quar.	Yrly avg.
NEW HAMPSHIRE						
COOS COUNTY						
SITE 01	67	.36	.09	.15	.08	.17
NEW MEXICO						
RIO ARRIBA COUNTY						
SITE 01	67	.33	.15	.20	.18	.22
NEW YORK						
JEFFERSON COUNTY						
SITE 01	67	.33	.21	.31	.12	.24
NORTH CAROLINA						
CAPE HATTERAS NAT SEA						
SITE 01	67	.26	.06	.27	.13	.18
OKLAHOMA						
CHEROKEE COUNTY						
SITE 01	67	.38	.08	.09	.20	.19
OREGON						
CURRY COUNTY						
SITE 01	67	.13	.06	.09	.05	.08
PENNSYLVANIA						
CLARION COUNTY						
SITE 01	67	2.76	1.74	1.54	2.37	2.10
RHODE ISLAND						
WASHINGTON COUNTY						
SITE 01	67	.67	.24	.24	.22	.34
SOUTH CAROLINA						
RICHLAND COUNTY						
SITE 01	67	1.35	.13	.11	.49	.52
SOUTH DAKOTA						
BLACK HILLS NAT FOREST						
SITE 01	67	.23	.05	.11	.15	.14
TEXAS						
MATAGORDA COUNTY						
SITE 01	67	.12	.08	.13	.09	.11
VERMONT						
ORANGE COUNTY						
SITE 01	67	.79	.37	.26	.15	.39
VIRGINIA						
SHENANDOAH NATIONAL PK						
SITE 01	67	.58	.20	.12	.21	.28
WISCONSIN						
DOOR COUNTY						
SITE 01	67	.15	.17	.17	.09	.15
WYOMING						
YELLOWSTONE PARK						
SITE 01	67	.11	.03	.09	.04	.07

SECTION 4:

URBAN AND NONURBAN NONMETALLIC INORGANIC CONSTITUENTS

Table 4-1. AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM																
SITE 01	66	25	.0	.0	.1	.1	.1	.1	.2	.2	.3	.7	2.2	.3	.2	2.28
GADSDEN																
SITE 01	66	26	.0	.0	.1	.1	.1	.1	.2	.3	.3	.9	3.0	.3	.2	2.58
HUNTSVILLE																
SITE 01	67	26	.0	.0	.1	.1	.1	.2	.4	.6	1.0	1.8	4.1	.7	.3	3.38
MOBILE																
SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.3	.1	.1	1.79
MONTGOMERY																
SITE 01	67	26	.1	.1	.1	.1	.2	.3	.4	.7	1.1	1.6	9.1	.8	.3	3.37
ALASKA																
ANCHORAGE																
SITE 02	66	26	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00
FAIRBANKS																
SITE 01	67	23	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	.4	.1	.1	1.50
ARIZONA																
MARICOPA COUNTY																
SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.2	.4	.7	4.3	.4	.2	2.54
	67	26	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	2.3	.2	.1	2.00
	66 67	52	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	4.3	.3	.2	2.27
PHOENIX																
SITE 02	66	24	.1	.1	.1	.1	.1	.1	.1	.2	.3	.5	2.9	.3	.2	2.53
	67	26	.1	.1	.1	.1	.1	.1	.2	.2	.3	1.0	2.8	.4	.2	2.59
	66 67	50	.1	.1	.1	.1	.1	.1	.1	.2	.3	.5	2.9	.4	.2	2.56
TUCSON																
SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.6	.1	.1	1.57
	67	24	.1	.1	.1	.1	.1	.1	.1	.2	.3	.4	.6	.2	.1	1.84
	66 67	49	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.6	.2	.1	1.71
ARKANSAS																
LITTLE ROCK																
SITE 01	66	26	.1	.1	.1	.1	.2	.2	.2	.2	.2	.5	.6	.2	.2	1.75
	67	25	.0	.1	.1	.1	.1	.2	.2	.3	.4	.7	1.6	.3	.2	2.29
	66 67	51	.0	.1	.1	.1	.2	.2	.2	.2	.3	.5	1.6	.3	.2	2.02
WEST MEMPHIS																
SITE 01	66	25	.1	.1	.1	.2	.2	.3	.3	.7	.7	1.2	2.5	.5	.3	2.79
CALIFORNIA																
BURBANK																
SITE 02	66	26	.1	.1	.2	.4	.5	.7	1.0	1.2	2.1	3.9	6.2	1.3	.7	3.39
GLENDALE																
SITE 01	67	26	.1	.1	.2	.3	.8	1.0	1.2	2.4	4.4	6.8	17.2	2.5	1.0	4.44
LONG BEACH																
SITE 01	67	25	.1	.1	.3	.4	.5	1.3	2.0	3.6	4.2	5.0	9.8	2.4	1.1	4.24
LOS ANGELES																
SITE 01	66	26	.0	.0	.3	.5	.6	.7	1.0	1.3	1.7	2.2	4.9	1.1	.7	2.96
	67	25	.1	.2	.3	.5	.6	.9	1.1	1.2	3.2	7.0	17.7	2.3	.9	3.76
	66 67	51	.0	.1	.3	.5	.6	.8	1.1	1.2	1.8	3.2	17.7	1.7	.8	3.36
OAKLAND																
SITE 01	66	25	.1	.1	.1	.1	.1	.2	.2	.4	.9	1.9	2.8	.6	.3	3.27
	67	25	.0	.1	.1	.1	.1	.1	.3	1.1	1.8	3.9	7.7	1.2	.4	4.64
	66 67	50	.0	.1	.1	.1	.1	.2	.2	.7	1.7	2.1	7.7	.9	.3	3.94
PASADENA																
SITE 01	66	25	.1	.2	.3	.5	.5	.6	.9	1.5	2.1	2.4	9.8	1.5	.8	2.90
SAN DIEGO																
SITE 01	66	25	.1	.1	.1	.1	.1	.1	.2	.3	.5	1.8	6.2	.6	.2	3.19
	67	24	.1	.1	.1	.1	.2	.2	.6	.6	1.7	2.1	2.5	.7	.4	3.34
	66 67	49	.1	.1	.1	.1	.1	.2	.3	.5	1.0	2.1	6.2	.7	.3	3.26
SAN FRANCISCO																
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.2	.2	11.2	.6	.1	2.93
	67	25	.0	.0	.1	.1	.1	.1	.1	.5	.6	3.3	3.7	.6	.2	3.64
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.2	.2	1.6	11.2	.6	.2	3.28

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO																
DENVER																
SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.3	.1	.1	1.48
	67	26	.0	.0	.1	.1	.1	.1	.1	.2	.2	.3	.6	.1	.1	1.66
	66 67	51	.0	.1	.1	.1	.1	.1	.1	.2	.2	.3	.6	.1	.1	1.57
CONNECTICUT																
HARTFORD																
SITE 01	66	26	.3	.4	.4	.5	.8	1.2	1.5	2.0	2.6	4.1	7.5	1.7	1.2	2.50
	67	26	.1	.4	.7	.8	1.7	1.9	3.5	4.0	5.0	7.0	10.7	3.1	1.9	3.16
	66 67	52	.1	.4	.5	.8	1.2	1.5	2.0	2.7	4.0	5.5	10.7	2.4	1.5	2.83
NEW HAVEN																
SITE 01	66	25	.7	1.1	1.2	2.2	2.6	2.8	2.9	3.2	4.2	5.9	8.6	3.1	2.6	1.86
	67	26	.1	.3	1.1	1.3	1.6	2.1	2.7	2.8	2.9	4.7	5.3	2.3	1.6	2.93
	66 67	51	.1	.8	1.2	1.6	2.2	2.7	2.8	2.9	4.2	5.1	8.6	2.7	2.0	2.41
DELAWARE																
NEWARK																
SITE 01	66	25	.3	.4	.6	1.1	1.4	1.5	1.8	2.6	2.9	4.6	11.6	2.3	1.6	2.43
	67	26	.1	.3	.4	.7	1.0	1.3	1.5	1.9	2.2	3.7	4.3	1.5	1.0	2.78
	66 67	51	.1	.4	.6	1.0	1.3	1.4	1.6	2.2	2.7	3.8	11.6	1.9	1.3	2.61
WILMINGTON																
SITE 01	66	24	.2	1.1	1.8	2.1	2.3	3.0	3.3	3.6	4.6	5.2	8.0	3.1	2.5	2.11
	67	21	.4	1.5	2.0	2.5	2.7	2.8	2.9	3.3	3.9	4.7	7.3	3.0	2.6	1.94
	66 67	45	.2	1.1	2.0	2.1	2.5	2.8	3.2	3.6	3.9	5.2	8.0	3.1	2.6	2.03
DC																
WASHINGTON																
SITE 01	66	25	.3	.4	.5	.7	.7	.9	1.1	1.1	1.6	3.2	4.9	1.3	1.0	2.13
	67	26	.2	.4	.8	1.0	1.7	1.8	2.3	2.7	2.9	3.6	6.3	2.1	1.5	2.51
	66 67	51	.2	.4	.5	.8	1.0	1.1	1.7	2.3	2.7	3.3	6.3	1.7	1.2	2.32
GEORGIA																
ATLANTA																
SITE 01	66	23	.0	.1	.1	.1	.3	.4	.5	1.0	1.1	1.3	4.9	.8	.4	3.24
	67	26	.0	.1	.1	.2	.3	.5	.7	1.0	1.7	2.1	2.7	.8	.5	3.13
	66 67	49	.0	.1	.1	.2	.3	.5	.7	1.0	1.3	2.1	4.9	.8	.4	3.19
HAWAII																
HONOLULU																
SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	1.00
	67	26	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.00
	66 67	52	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	1.00
IDAHO																
BOISE																
SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.1	.2	.1	1.74
	67	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.8	.2	.1	1.89
	66 67	50	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	1.8	.2	.1	1.82
ILLINOIS																
CHICAGO																
SITE 01	66	26	.0	.2	.4	.8	1.1	1.4	1.9	2.1	2.2	2.9	4.7	1.6	1.1	2.77
	67	26	.1	.2	.3	.7	1.4	1.5	1.6	2.1	2.5	2.9	3.4	1.5	1.0	3.01
	66 67	52	.0	.2	.3	.8	1.2	1.5	1.8	2.1	2.5	2.9	4.7	1.6	1.0	2.89
EAST ST LOUIS																
SITE 01	67	23	.1	.4	.6	.7	1.0	1.2	1.4	1.4	1.8	2.0	3.2	1.2	1.0	2.14
ROCKFORD																
SITE 01	67	26	.1	.1	.1	.1	.2	.3	.5	.6	1.2	2.5	3.6	.8	.4	3.35
SPRINGFIELD																
SITE 01	67	23	.0	.1	.2	.2	.3	.4	.5	.8	.8	1.4	1.8	.6	.4	2.44
INDIANA																
EAST CHICAGO																
SITE 01	66	26	.0	.1	.2	.2	.3	.8	.9	1.1	1.2	2.5	5.1	1.0	.6	3.05
	67	25	.2	.3	.4	.5	.8	.9	1.2	2.1	2.3	3.1	4.6	1.4	1.0	2.43
	66 67	51	.0	.2	.3	.4	.7	.9	1.1	1.2	2.1	3.0	5.1	1.2	.8	2.74
HAMMOND																
SITE 01	66	24	.0	.0	.1	.3	.6	.7	1.0	1.1	1.8	2.8	5.7	1.2	.6	3.47
	67	22	.0	.1	.2	.3	.5	.6	.9	1.0	1.6	1.9	5.6	1.0	.6	3.06
	66 67	46	.0	.1	.2	.3	.6	.7	.9	1.1	1.6	2.3	5.7	1.1	.6	3.26
INDIANAPOLIS																
SITE 01	66	25	.1	.2	.3	.7	.8	1.0	1.2	1.5	1.9	4.7	9.5	1.7	1.0	3.01
	67	22	.1	.5	.6	.9	.9	1.2	1.7	1.8	1.9	3.1	4.5	1.5	1.2	2.31
	66 67	47	.1	.3	.6	.7	.9	1.2	1.3	1.7	1.9	3.5	9.5	1.6	1.1	2.66
MUNCIE																
SITE 01	66	24	.1	.1	.1	.2	.3	.3	.8	.9	1.6	2.4	6.8	1.0	.5	3.61
	67	22	.1	.2	.4	.5	.6	.6	1.0	1.0	1.3	1.4	2.6	.8	.7	2.17
	66 67	46	.1	.1	.2	.3	.5	.6	.8	1.0	1.4	2.0	6.8	.9	.6	2.89

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW ALBANY																
SITE 02	66	24	.0	.1	.1	.1	.3	.4	.5	.7	.9	1.2	1.5	.5	.3	2.71
SOUTH BEND																
SITE 01	66	24	.0	.2	.2	.4	.5	.6	1.4	1.6	1.9	2.1	6.6	1.3	.7	3.15
	67	24	.0	.1	.1	.2	.3	.4	.6	1.3	1.6	4.2	4.7	1.1	.5	3.81
	66 67	48	.0	.1	.2	.3	.4	.5	.9	1.6	1.6	4.2	6.6	1.2	.6	3.48
TERRE HAUTE																
SITE 01	67	22	.1	.3	.3	.4	.6	.8	.9	.9	1.0	1.3	4.1	.9	.7	2.25
IOWA																
CEDAR RAPIDS																
SITE 01	67	25	.0	.1	.1	.1	.1	.3	.4	.6	1.1	1.5	1.7	.5	.3	3.05
DAVENPORT																
SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.2	.4	2.2	.3	.2	2.28
DES MOINES																
SITE 01	66	25	.1	.1	.1	.1	.1	.1	.1	.1	.3	.7	1.7	.3	.2	2.40
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.4	.1	.1	1.54
	66 67	50	.0	.0	.1	.1	.1	.1	.1	.1	.2	.4	1.7	.2	.1	2.00
DUBUQUE																
SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.4	.5	1.5	4.7	.5	.2	3.03
	67	25	.0	.1	.1	.1	.2	.4	.6	.8	2.1	3.1	4.4	1.0	.4	4.02
	66 67	51	.0	.1	.1	.1	.1	.2	.4	.6	.8	2.6	4.7	.8	.3	3.52
KANSAS																
KANSAS CITY																
SITE 01	66	23	.0	.1	.1	.1	.1	.1	.1	.2	.2	.3	.8	.2	.1	1.76
TOPEKA																
SITE 01	67	26	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.6	.1	.1	1.61
WICHITA																
SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.3	.3	.1	.1	1.48
	67	25	.0	.0	.0	.1	.1	.1	.1	.2	.3	.6	3.8	.3	.2	2.57
	66 67	50	.0	.0	.1	.1	.1	.1	.1	.1	.2	.3	3.8	.2	.1	2.06
KENTUCKY																
ASHLAND																
SITE 01	66	24	.0	.1	.1	.3	.4	.5	.7	1.8	3.2	3.6	17.4	2.0	.7	4.41
COVINGTON																
SITE 01	66	25	.0	.1	.2	.3	.5	.6	.7	1.2	1.3	2.1	3.3	.9	.6	2.90
	67	25	.1	.1	.2	.3	.3	.6	.7	.8	1.5	1.7	4.0	.8	.5	2.81
	66 67	50	.0	.1	.2	.3	.5	.6	.7	1.0	1.4	2.0	4.0	.9	.5	2.85
LEXINGTON																
SITE 01	67	26	.1	.2	.4	.5	.6	.8	1.0	1.7	2.4	3.9	4.2	1.4	.9	3.01
LOUISVILLE																
SITE 01	66	25	.1	.1	.2	.2	.3	.6	.8	1.1	1.2	1.8	2.5	.8	.5	2.87
	67	26	.1	.1	.4	.5	.6	.8	1.0	1.1	1.5	1.5	1.9	.8	.6	2.53
	66 67	51	.1	.1	.2	.3	.5	.7	.9	1.1	1.5	1.5	2.5	.8	.5	2.70
LOUISIANA																
NEW ORLEANS																
SITE 02	66	26	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.6	.1	.1	1.58
	67	26	.0	.0	.0	.0	.0	.1	.1	.1	.2	1.0	3.5	.3	.2	2.68
	66 67	52	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	3.5	.2	.1	2.16
MARYLAND																
BALTIMORE																
SITE 01	66	26	.1	.2	.6	.7	1.0	1.4	1.8	2.2	3.0	4.4	16.7	2.2	1.2	3.31
	67	25	.1	.2	.4	1.0	1.1	1.4	1.5	2.8	2.9	4.8	6.3	2.0	1.2	3.16
	66 67	51	.1	.2	.5	.7	1.0	1.4	1.8	2.2	3.0	4.4	16.7	2.1	1.2	3.24
MICHIGAN																
DETROIT																
SITE 01	66	26	.1	.1	.1	.1	.2	.3	.3	.6	.8	1.7	5.9	.6	.3	3.12
	67	23	.0	.1	.1	.2	.3	.5	.7	.9	1.0	1.4	4.4	.8	.4	2.99
	66 67	49	.0	.1	.1	.1	.2	.3	.5	.8	1.0	1.7	5.9	.7	.4	3.06
FLINT																
SITE 01	67	25	.0	.1	.1	.1	.2	.3	.3	.5	.6	.9	3.7	.5	.3	2.72
GRAND RAPIDS																
SITE 01	67	25	.0	.1	.1	.1	.1	.1	.2	.5	.6	.7	1.5	.3	.2	2.54
MINNESOTA																
DULUTH																
SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.4	.1	.1	1.38

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MINNEAPOLIS SITE 01	46	26	.0	.1	.1	.1	.1	.1	.1	.3	.5	1.6	1.8	.4	.2	2.76
	67	26	.1	.1	.1	.1	.2	.2	.7	.9	1.2	1.8	3.8	.7	.4	3.51
	66 67	52	.0	.1	.1	.1	.1	.1	.3	.6	.9	1.8	3.8	.6	.3	3.13
MOORHEAD SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.1	.1	1.32
ST. PAUL SITE 01	66	25	.0	.0	.1	.1	.1	.1	.3	.6	.8	1.2	5.0	.6	.3	3.31
	67	26	.0	.1	.1	.1	.1	.1	.4	.7	.8	3.9	6.8	.9	.3	3.98
	66 67	51	.0	.1	.1	.1	.1	.1	.4	.6	.8	1.2	6.8	.8	.3	3.64
MISSISSIPPI JACKSON SITE 01	66	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.5	.2	.1	1.95
MISSOURI KANSAS CITY SITE 01	66	24	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	.6	.1	.1	1.72
	67	26	.0	.0	.0	.0	.1	.1	.1	.2	.4	.5	1.2	.2	.2	2.16
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	1.2	.2	.1	1.95
ST. LOUIS SITE 01	66	24	.1	.1	.3	.9	1.1	1.2	1.7	1.9	2.2	2.9	4.3	1.4	.9	3.22
	67	25	.1	.1	.1	.2	.5	.7	.9	1.3	1.8	2.2	2.7	.9	.5	3.43
	66 67	49	.1	.1	.1	.5	.8	1.0	1.3	1.8	2.0	2.5	4.3	1.2	.7	3.32
MONTANA HELENA SITE 01	66	26	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.8	.1	.1	1.59
	67	26	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.8	.1	.1	1.66
	66 67	52	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.8	.1	.1	1.63
NEBRASKA OMAHA SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.0	.1	.1	1.73
	67	26	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.8	.1	.1	1.78
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	1.0	.1	.1	1.76
NEVADA LAS VEGAS SITE 01	66	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00
	67	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	66 67	52	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.14
RENO SITE 01	67	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	3.2	.3	.2	2.18
NEW HAMPSHIRE CONCORD SITE 01	66	26	.0	.1	.1	.1	.1	.3	.4	1.3	1.5	2.6	3.6	.8	.3	3.71
	67	26	.1	.2	.2	.3	.5	.7	1.2	1.5	2.4	3.2	7.9	1.4	.7	3.33
	66 67	52	.0	.1	.1	.2	.3	.4	.8	1.5	1.5	2.6	7.9	1.1	.5	3.52
NEW JERSEY BAYONNE SITE 01	67	23	.5	1.3	1.8	2.7	2.8	3.0	3.1	4.4	5.4	7.6	10.7	3.8	3.1	2.05
BURLINGTON COUNTY SITE 02	46	26	.0	.1	.2	.5	1.1	1.2	1.4	1.8	2.1	3.4	6.0	1.5	.8	3.63
	67	26	.0	.1	.5	.6	.7	1.0	1.6	2.2	2.9	3.7	4.4	1.6	.9	3.36
	66 67	52	.0	.1	.3	.6	.9	1.1	1.5	1.9	2.5	3.4	6.0	1.6	.9	3.50
CAMDEN SITE 01	66	25	.2	.3	.8	1.4	1.8	2.1	2.7	2.7	3.2	5.4	8.2	2.5	1.7	2.70
GLASSBORO SITE 01	66	26	.0	.1	.1	.3	.4	.5	.8	1.4	1.5	3.1	5.8	1.1	.6	3.47
	67	26	.1	.2	.3	.6	.9	1.1	1.3	1.5	1.7	2.8	5.7	1.3	.9	2.85
	66 67	52	.0	.1	.3	.3	.6	.8	1.2	1.5	1.6	2.8	5.8	1.2	.7	3.16
JERSEY CITY SITE 01	66	23	.1	.7	1.0	1.3	1.6	2.9	3.6	5.0	6.1	7.3	9.2	3.4	2.1	3.42
	67	25	.7	.8	1.0	2.0	2.6	3.3	3.4	4.4	5.1	6.3	12.7	3.7	2.8	2.23
	66 67	46	.1	.8	1.0	1.4	2.6	2.9	3.6	4.4	5.9	7.3	12.7	3.6	2.4	2.82
NEWARK SITE 01	66	25	.3	.3	.4	.8	1.0	1.8	2.2	2.3	2.9	3.8	7.2	1.9	1.3	2.59
	67	25	.4	1.1	1.3	2.5	2.7	2.8	3.0	3.3	4.8	5.5	8.0	3.2	2.6	2.02
	66 67	50	.3	.4	.8	1.2	1.9	2.3	2.8	3.0	3.3	5.3	8.0	2.6	1.9	2.31
PATERSON SITE 01	67	25	.4	1.1	1.6	1.9	2.0	2.2	2.3	2.4	3.5	5.4	6.0	2.6	2.3	1.83
PERTH AMBOY SITE 01	67	25	.9	1.4	1.7	2.8	3.5	4.3	4.6	5.2	6.5	7.2	7.8	4.2	3.5	1.91

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TRENTON																
SITE 01	66	21	.1	.1	.3	.4	.6	.8	.8	1.3	1.6	2.9	7.1	1.3	.7	3.28
NEW MEXICO																
ALBUQUERQUE																
SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	67	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	66 67	51	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.1	.1	1.14
NEW YORK																
NEW YORK CITY																
SITE 01	66	24	.6	1.3	1.6	1.9	2.0	2.5	3.4	3.7	5.2	5.5	7.4	3.1	2.6	1.91
	67	21	.5	2.5	3.2	3.4	3.9	4.7	6.3	7.1	7.2	7.5	8.7	5.1	4.3	1.97
	66 67	45	.5	1.5	1.8	2.5	3.0	3.5	4.0	5.2	6.3	7.4	8.7	4.1	3.3	1.94
NORTH CAROLINA																
CHARLOTTE																
SITE 01	66	26	.1	.1	.1	.1	.2	.2	.5	.9	1.2	2.3	3.6	.7	.4	3.28
	67	25	.1	.2	.3	.4	.4	.6	1.0	1.5	1.6	2.0	2.8	1.0	.7	2.45
	66 67	51	.1	.1	.2	.2	.4	.5	.6	1.2	1.5	2.0	3.6	.9	.5	2.86
OHIO																
AKRON																
SITE 01	66	25	.1	.1	.1	.1	.3	.4	.5	.5	1.0	2.1	5.5	.8	.4	3.38
	67	26	.2	.4	.8	1.1	1.2	1.4	1.5	1.8	2.4	3.7	4.1	1.6	1.2	2.19
	66 67	51	.1	.1	.2	.4	.5	.9	1.2	1.5	1.8	2.6	5.5	1.2	.7	2.78
CINCINNATI																
SITE 01	66	25	.0	.1	.1	.3	.4	.5	.6	1.7	1.9	3.5	10.1	1.4	.6	4.00
	67	25	.1	.2	.3	.4	.5	.5	.7	1.0	1.2	1.5	3.1	.8	.6	2.30
	66 67	50	.0	.1	.2	.4	.4	.5	.7	1.2	1.5	2.3	10.1	1.1	.6	3.14
CLEVELAND																
SITE 01	66	26	.0	.1	.4	.5	.6	.9	1.2	1.4	2.1	3.5	4.8	1.3	.8	2.95
	67	26	.2	.2	.4	.6	.8	1.1	1.3	1.4	1.7	2.2	8.4	1.4	.9	2.50
	66 67	52	.0	.2	.4	.5	.8	.9	1.3	1.4	2.0	2.3	8.4	1.4	.9	2.73
COLUMBUS																
SITE 01	66	25	.1	.1	.1	.1	.2	.4	.8	1.0	1.6	2.2	3.4	.8	.4	3.58
	67	26	.1	.3	.3	.4	.5	.6	.8	.8	.9	1.5	2.1	.7	.6	2.01
	66 67	51	.1	.1	.2	.3	.4	.6	.8	.9	1.2	1.8	3.4	.8	.5	2.79
DAYTON																
SITE 01	66	26	.0	.0	.0	.1	.1	.1	.2	.5	.7	1.1	3.7	.5	.2	3.18
	67	26	.2	.3	.5	.6	.8	.9	1.4	1.5	1.7	2.8	4.2	1.3	.9	2.31
	66 67	52	.0	.0	.1	.2	.3	.5	.8	1.1	1.5	2.2	4.2	.9	.5	2.75
TOLEDO																
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.4	.7	.8	1.9	5.3	.7	.3	3.62
	67	26	.0	.1	.2	.3	.6	.7	.9	1.1	1.3	1.4	5.4	.9	.6	2.97
	66 67	52	.0	.1	.1	.1	.2	.5	.7	.9	1.1	1.4	5.4	.8	.4	3.29
YOUNGSTOWN																
SITE 01	66	26	.1	.2	.2	.3	.5	.7	1.0	1.2	1.6	2.0	3.2	.9	.6	2.70
	67	26	.0	.1	.2	.5	.7	1.0	1.4	2.0	2.3	2.5	7.6	1.4	.8	3.47
	66 67	52	.0	.1	.2	.3	.5	1.0	1.2	1.4	2.0	2.4	7.6	1.2	.7	3.08
OKLAHOMA																
OKLAHOMA CITY																
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
	67	25	.0	.0	.0	.0	.1	.1	.1	.1	.1	.6	1.9	.2	.1	2.28
	66 67	51	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	1.9	.2	.1	1.82
TULSA																
SITE 01	66	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.15
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	1.0	1.7	.2	.1	2.43
	66 67	50	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	1.7	.2	.1	1.89
OREGON																
EUGENE																
SITE 01	67	24	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.33
MEDFORD																
SITE 01	67	26	.1	.1	.1	.2	.2	.2	.2	.3	.3	.4	.4	.2	.2	1.64
PORTLAND																
SITE 01	66	22	.0	.0	.0	.0	.0	.1	.1	.1	.1	.8	1.1	.2	.1	2.37
	67	26	.0	.0	.1	.1	.1	.1	.2	.3	.4	.8	1.6	.3	.2	2.49
	66 67	48	.0	.0	.0	.0	.1	.1	.1	.2	.4	.8	1.6	.3	.2	2.43
PENNSYLVANIA																
ALLENTOWN																
SITE 01	67	25	.0	.1	.5	.8	.8	1.0	1.5	2.2	3.8	5.1	7.8	2.1	1.2	3.43
ALTOONA																
SITE 01	67	25	.1	.3	.5	.6	.8	1.1	1.3	1.5	1.6	2.4	5.1	1.2	.9	2.45

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
BETHLEHEM SITE 01	67	25	.0	.1	.1	.2	.3	.5	.7	1.0	1.6	3.5	5.8	1.1	.5	3.83
ERIE SITE 01	6	26	.1	.1	.4	.5	.7	1.0	1.4	1.7	2.1	3.0	4.0	1.3	.8	3.15
LANCASTER SITE 01	66	26	.1	.2	.3	.7	.8	.9	1.7	2.0	2.2	3.2	4.9	1.5	.9	2.94
	67	24	.1	.3	.5	.7	1.0	1.2	1.4	1.9	2.7	4.2	12.8	2.0	1.2	2.96
	66 67	50	.1	.2	.4	.7	.8	1.2	1.4	1.9	2.2	3.2	12.8	1.8	1.0	2.95
PHILADELPHIA SITE 01	66	24	.1	.3	.8	1.6	2.1	2.3	2.9	3.4	4.1	4.3	8.1	2.6	1.9	2.80
	67	25	1.0	1.4	1.9	2.5	2.8	3.1	3.5	4.1	5.9	9.0	11.6	4.1	3.4	1.90
	66 67	49	.1	.8	1.6	2.0	2.4	2.8	3.4	3.9	4.3	7.0	11.6	3.4	2.5	2.36
PITTSBURGH SITE 01	66	26	.0	.0	.1	.2	.4	1.1	1.4	1.6	1.8	3.4	4.7	1.3	.6	3.78
	67	25	.0	.3	.6	1.0	1.2	1.4	1.5	1.6	2.5	2.8	6.3	1.6	1.1	2.68
	66 67	51	.0	.1	.3	.6	1.0	1.3	1.5	1.6	2.0	2.8	6.3	1.5	.9	3.22
READING SITE 01	66	25	.0	.1	.2	.3	.7	.9	1.9	2.3	3.0	6.4	8.3	2.1	.9	4.38
	67	25	.1	.1	.6	1.0	1.6	2.1	2.2	2.4	2.6	7.2	9.4	2.4	1.3	3.79
	66 67	50	.0	.1	.2	.7	1.0	1.7	2.2	2.3	2.9	6.4	9.4	2.3	1.1	4.08
SCRANTON SITE 01	67	23	.5	1.3	1.7	2.2	2.7	4.7	5.4	7.8	8.0	10.8	19.1	5.4	3.8	2.49
WARMINSTER SITE 01	66	25	.0	.0	.1	.1	.1	.3	.7	1.3	1.6	2.3	3.6	.9	.4	3.88
	67	23	.2	.6	.8	1.2	1.4	1.7	2.0	2.5	3.9	4.7	7.9	2.3	1.6	2.43
	66 67	48	.0	.1	.1	.3	.8	1.2	1.4	2.0	2.3	3.9	7.9	1.6	.8	3.14
WEST CHESTER SITE 01	67	26	.0	.1	.2	.4	.5	.6	1.4	2.0	2.0	2.3	3.8	1.1	.6	3.37
YORK SITE 01	67	26	.1	.2	.3	.3	.4	.6	1.1	1.5	1.6	3.2	32.3	2.3	.8	3.52
PUERTO RICO BAYAMON SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
	66 67	51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
CATANO SITE 01	66	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
GUAYANILLA SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
	67	23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.00
	66 67	48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00
PONCE SITE 01	66	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
	67	24	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	.1	.1	1.30
	66 67	50	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.3	.1	.1	1.20
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	.0	.2	.5	.7	.7	1.0	1.1	1.8	2.8	3.9	5.5	1.6	1.0	2.97
PROVIDENCE SITE 01	66	23	.1	.6	.7	1.0	1.2	1.4	1.8	2.7	3.0	4.7	5.9	2.0	1.4	2.56
	67	23	.1	.6	.6	.7	1.7	1.8	2.3	2.6	3.6	3.7	4.7	1.9	1.4	2.56
	66 67	46	.1	.6	.7	.9	1.2	1.7	1.9	2.6	3.0	4.0	5.9	2.0	1.4	2.56
SOUTH CAROLINA COLUMBIA SITE 01	66	23	.0	.0	.1	.1	.1	.2	.3	.8	1.1	1.3	4.0	.7	.3	3.50
	67	26	.1	.1	.2	.2	.3	.4	.5	1.0	1.6	1.8	2.5	.7	.4	2.86
	66 67	49	.0	.1	.1	.2	.2	.3	.5	.8	1.3	1.8	4.0	.7	.4	3.18
GREENVILLE SITE 01	66	26	.0	.1	.1	.2	.5	.9	1.2	1.5	1.5	2.2	4.3	1.0	.6	3.54
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.38
TENNESSEE CHATTANOOGA SITE 01	66	23	.1	.1	.1	.3	.3	.5	.7	.9	1.6	2.4	4.0	.9	.5	3.20
	67	22	.0	.1	.2	.4	.4	.6	1.2	1.6	2.0	2.0	3.1	1.0	.7	3.02
	66 67	45	.0	.1	.2	.3	.4	.6	.8	1.2	1.7	2.3	4.0	1.0	.6	3.11

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³														Std geo dev*
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean		
KNOXVILLE																	
SITE 01	67	24	.1	.1	.2	.4	.5	.7	.9	1.0	1.1	1.3	1.6	.7	.5	2.50	
MEMPHIS																	
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.2	.6	.9	1.8	5.4	.6	.3	3.44	
	67	26	.0	.0	.1	.1	.1	.1	.3	.7	.7	1.0	2.3	.4	.2	2.81	
	66 67	52	.0	.1	.1	.1	.1	.1	.3	.6	.8	1.2	5.4	.5	.3	3.12	
NASHVILLE																	
SITE 01	66	24	.1	.2	.2	.3	.3	.5	1.0	1.3	2.3	2.7	3.9	1.1	.6	3.11	
	67	25	.0	.1	.1	.2	.3	.6	.7	.9	1.1	1.4	2.7	.7	.5	2.80	
	66 67	49	.0	.1	.2	.3	.3	.6	.8	1.1	1.4	2.5	3.9	.9	.5	2.96	
TEXAS																	
DALLAS																	
SITE 01	66	24	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	1.5	.1	.1	1.78	
HOUSTON																	
SITE 01	66	26	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2	.3	.1	.1	1.32	
	67	26	.0	.0	.0	.0	.0	.0	.1	.1	.3	1.3	3.2	.3	.2	2.82	
	66 67	52	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	3.2	.2	.1	2.13	
PASADENA																	
SITE 01	67	24	.0	.0	.0	.0	.0	.0	.0	.1	.3	.7	2.4	.2	.2	2.55	
SAN ANTONIO																	
SITE 01	66	25	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21	
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.0	.1	.1	1.65	
	66 67	50	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	1.0	.1	.1	1.46	
UTAH																	
OGDEN																	
SITE 01	66	24	.1	.1	.1	.1	.1	.2	.2	.2	.2	.3	1.5	.2	.2	1.87	
SALT LAKE CITY																	
SITE 01	66	24	.1	.1	.1	.1	.1	.1	.2	.2	.2	.7	2.1	.3	.2	2.22	
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.9	.1	.1	1.58	
	66 67	49	.0	.0	.1	.1	.1	.1	.1	.1	.2	.3	2.1	.2	.1	1.91	
VERMONT																	
BURLINGTON																	
SITE 01	66	25	.1	.1	.1	.1	.1	.2	.3	.9	1.5	2.4	2.7	.8	.3	3.85	
VIRGINIA																	
DANVILLE																	
SITE 01	66	23	.1	.2	.2	.3	.4	.5	.6	.8	1.3	2.0	2.9	.8	.5	2.54	
HAMPTON																	
SITE 01	67	26	.1	.1	.1	.2	.3	.4	1.2	1.3	1.4	1.5	2.2	.8	.5	3.21	
LYNCHBURG																	
SITE 01	67	26	.1	.1	.2	.3	.5	.6	.7	1.1	1.3	2.2	5.9	.9	.6	2.86	
NORFOLK																	
SITE 01	66	26	.0	.1	.1	.1	.2	.3	.5	1.1	1.3	1.9	4.4	.8	.4	3.37	
	67	25	.0	.1	.2	.4	.4	.7	.8	1.1	1.3	2.3	3.3	.9	.6	2.87	
	66 67	51	.0	.1	.1	.2	.3	.5	.7	1.1	1.3	1.9	4.4	.9	.5	3.12	
PORTSMOUTH																	
SITE 01	67	26	.0	.0	.2	.2	.4	.6	1.1	1.3	1.5	3.0	18.6	1.6	.6	3.81	
RICHMOND																	
SITE 01	67	26	.1	.1	.2	.5	.7	1.1	1.2	1.6	1.7	2.2	3.4	1.1	.7	2.95	
ROANOKE																	
SITE 01	67	25	.1	.1	.2	.3	.4	.6	.7	1.0	1.2	1.7	2.5	.8	.5	2.64	
WASHINGTON																	
SEATTLE																	
SITE 01	66	26	.1	.1	.1	.1	.1	.1	.2	.2	.2	.6	.9	.2	.2	2.08	
	67	26	.0	.0	.0	.0	.1	.1	.1	.2	.2	.3	1.3	.2	.1	1.87	
	66 67	52	.0	.0	.1	.1	.1	.1	.1	.2	.2	.4	1.3	.2	.2	1.98	
WEST VIRGINIA																	
CHARLESTON																	
SITE 01	66	22	.0	.4	1.0	1.8	2.1	4.1	7.2	13.2	19.5	21.5	23.9	8.2	3.8	4.62	
	67	26	.2	.4	.9	1.1	1.6	2.0	4.9	11.7	13.5	27.2	71.2	10.1	3.2	4.93	
	66 67	48	.0	.4	.9	1.5	1.9	3.7	6.2	11.7	14.8	23.3	71.2	9.2	3.5	4.78	
WISCONSIN																	
KENOSHA																	
SITE 01	67	26	.0	.1	.1	.1	.2	.3	.4	.6	.6	1.6	2.1	.5	.3	2.74	

*Data contributed by state or local agency.

Table 4-1 (continued). AMMONIUM, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
WISCONSIN																
MADISON																
SITE 01	67	26	.0	.1	.2	.2	.3	.3	.4	.7	.8	1.4	1.7	.5	.4	2.45
MILWAUKEE																
SITE 01	66	26	.1	.1	.1	.1	.1	.2	.2	.3	.4	1.4	4.2	.5	.2	2.78
	67	26	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	1.0	.2	.1	1.83
	66 67	52	.0	.0	.1	.1	.1	.1	.2	.2	.3	.5	4.2	.4	.2	2.32
WYOMING																
CASPER																
SITE 01	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.3	.1	.1	1.29
CHEYENNE																
SITE 01	66	26	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	1.25
	67	24	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00
	66 67	50	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.1	.0	1.17

*Data contributed by state or local agency.

Table 4-2. AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³														Std geo dev
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean		
ARIZONA																	
GRAND CANYON NAT PK																	
SITE 01	66	25	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	1.00	
	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00	
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00	
ARKANSAS																	
MONTGOMERY COUNTY																	
SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	.4	.2	.1	1.67	
	67	25	.0	.0	.1	.1	.1	.1	.1	.2	.3	.4	1.1	.2	.2	1.99	
	66 67	50	.0	.1	.1	.1	.1	.1	.1	.2	.2	.4	1.1	.2	.1	1.84	
CALIFORNIA																	
HUMBOLDT COUNTY																	
SITE 01	66	24	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.5	.1	.1	1.63	
	67	25	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.41	
	66 67	49	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.5	.1	.1	1.52	
COLORADO																	
MESA VERDE NAT PK																	
SITE 01	66	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	1.00	
	67	24	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0	.1	1.22	
	66 67	49	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.1	1.15	
DELAWARE																	
KENT COUNTY																	
SITE 01	66	25	.0	.0	.0	.1	.1	.3	.5	1.1	1.2	2.6	4.6	.9	.4	4.00	
	67	25	.0	.1	.2	.5	.5	.9	1.4	1.8	1.9	3.1	4.1	1.2	.7	3.20	
	66 67	50	.0	.0	.1	.2	.3	.5	1.0	1.4	1.9	2.6	4.6	1.1	.5	3.60	
IDAHO																	
BUTTE COUNTY																	
SITE 01	67	25	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.3	.1	.1	1.29	
INDIANA																	
MONROE COUNTY																	
SITE 01	66	22	.0	.0	.0	.1	.1	.1	.3	.6	1.2	1.6	6.2	.7	.3	3.65	
	67	24	.0	.0	.0	.1	.1	.1	.3	.4	.9	1.4	1.9	.4	.2	2.83	
	66 67	46	.0	.0	.0	.1	.1	.1	.3	.4	.9	1.5	6.2	.6	.3	3.24	
PARKE COUNTY																	
SITE 01	66	25	.0	.0	.1	.1	.1	.1	.2	.3	.4	2.1	10.4	.8	.2	3.47	
	67	21	.0	.0	.1	.1	.1	.1	.2	.4	.5	.8	1.9	.4	.2	2.72	
	66 67	46	.0	.0	.1	.1	.1	.1	.2	.3	.4	1.6	10.4	.6	.2	3.09	
IOWA																	
DELAWARE COUNTY																	
SITE 01	66	23	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	1.5	.2	.1	<.10	
MAINE																	
ACADIA NAT PK																	
SITE 01	66	24	.0	.1	.1	.1	.1	.1	.1	.2	.2	.2	.4	.1	.1	1.49	
	67	20	.0	.0	.0	.0	.0	.1	.1	.1	.2	.2	5.[illegible]	.2	.2	2.71	
	66 67	44	.0	.0	.0	.1	.1	.1	.1	.1	.2	.2	5.[illegible]	.1	.1	2.14	
MARYLAND																	
CALVERT COUNTY																	
SITE 01	66	25	.1	.1	.1	.2	.2	.4	.5	.6	1.2	2.1	3.3	.7	.4	3.14	
	67	26	.0	.1	.2	.3	.4	.5	.5	1.2	2.1	2.0	4.[illegible]	1.[illegible]	.6	3.33	
	66 67	51	.0	.1	.1	.2	.4	.5	.5	1.0	1.5	2.3	4.[illegible]	.9	.5	3.23	
MISSISSIPPI																	
JACKSON COUNTY																	
SITE 01	66	26	.0	.0	.0	.1	.1	.1	.1	.1	.2	.5	2.[illegible]	.2	.1	2.24	
	67	25	.0	.0	.0	.0	.1	.1	.1	.3	.4	1.0	1.[illegible]	.3	.2	2.58	
	66 67	51	.0	.0	.0	.1	.1	.1	.1	.2	.3	.5	2.[illegible]	.3	.2	2.41	
MISSOURI																	
SHANNON COUNTY																	
SITE 01	66	24	.0	.1	.1	.1	.1	.1	.2	.2	.3	.5	2.5	.3	.2	2.53	
	67	24	.0	.1	.1	.2	.3	.4	.5	.8	.9	1.[illegible]	2.3	.5	.4	2.88	
	66 67	48	.0	.1	.1	.1	.2	.1	.3	.5	.8	1.[illegible]	2.3	.5	.3	2.71	
MONTANA																	
GLACIER NAT PK																	
SITE 01	66	24	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1	1.26	
	67	25	.0	.0	.1	.1	.1	.1	.1	.1	.1	.2	.5	.1	.1	1.57	
	66 67	49	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.5	.1	.1	1.43	
NEBRASKA																	
THOMAS COUNTY																	
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.42	
	67	25	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.5	.1	.1	1.43	
	66 67	51	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.43	
NEVADA																	
WHITE PINE COUNTY																	
SITE 01	66	22	.0	.0	.0	.0	.1	.1	.1	.1	.1	.2	.3	.1	.1	1.41	
	67	23	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.4	.1	.1	1.34	
	66 67	45	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	.1	.1	1.38	

*Data contributed by state or local agency.

Table 4-2 (continued). AMMONIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3														Std geo dev
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean		
NEW HAMPSHIRE																	
COOS COUNTY																	
SITE 01	66	26	.1	.1	.1	.1	.2	.2	.2	.3	.5	1.1	1.9	.4	.2	2.54	
	67	26	.0	.1	.1	.1	.2	.2	.3	.5	1.2	1.6	3.7	.6	.3	3.17	
	66 67	52	.0	.1	.1	.1	.2	.2	.2	.4	.6	1.6	3.7	.5	.3	2.85	
NEW MEXICO																	
RIO ARRIBA COUNTY																	
SITE 01	66	24	.1	.1	.2	.2	.2	.2	.2	.2	.2	.3	.4	.2	.2	1.41	
	67	23	.0	.0	.1	.1	.1	.1	.2	.2	.2	.3	.4	.1	.1	1.58	
	66 67	47	.0	.1	.1	.1	.2	.2	.2	.2	.2	.3	.4	.2	.2	1.50	
NEW YORK																	
JEFFERSON COUNTY																	
SITE 01	66	26	.1	.1	.2	.2	.2	.3	.5	1.0	1.8	3.0	5.3	.9	.5	3.22	
	67	26	.1	.1	.2	.2	.3	.4	.8	.9	1.8	2.2	5.4	1.0	.5	3.41	
	66 67	52	.1	.1	.2	.2	.3	.4	.6	.9	1.8	2.2	5.4	1.0	.5	3.31	
NORTH CAROLINA																	
CAPE HATTERAS																	
SITE 01	66	23	.0	.0	.1	.1	.1	.1	.1	.1	.3	.5	1.8	.2	.1	2.18	
	67	23	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.5	.1	.1	1.46	
	66 67	46	.0	.0	.0	.0	.1	.1	.1	.1	.1	.4	1.8	.2	.1	1.85	
OKLAHOMA																	
CHEROKEE COUNTY																	
SITE 01	66	26	.0	.1	.1	.1	.1	.1	.2	.5	.6	.9	1.3	.3	.2	2.61	
	67	25	.0	.0	.0	.0	.1	.1	.2	.4	.7	1.0	3.3	.4	.2	2.82	
	66 67	51	.0	.0	.0	.1	.1	.1	.2	.5	.6	.9	3.3	.4	.2	2.72	
OREGON																	
CURRY COUNTY																	
SITE 01	66	24	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	1.6	.2	.1	1.88	
	67	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00	
	66 67	49	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	1.6	.1	.0	1.56	
PENNSYLVANIA																	
CLARION COUNTY																	
SITE 01	66	24	.1	.1	.2	.2	.3	.4	.7	.9	1.3	3.2	7.1	1.0	.5	3.25	
	67	24	.0	.1	.1	.3	.5	.9	1.0	1.7	2.2	3.7	4.9	1.3	.7	3.71	
	66 67	48	.0	.1	.2	.2	.3	.5	.9	1.1	1.9	3.7	7.1	1.2	.6	3.48	
RHODE ISLAND																	
WASHINGTON COUNTY																	
SITE 01	66	23	.1	.2	.2	.2	.3	.3	.6	1.1	1.3	2.1	6.5	1.0	.5	3.11	
	67	24	.1	.1	.2	.4	.5	.6	1.0	1.6	2.5	4.3	6.1	1.5	.7	3.49	
	66 67	47	.1	.1	.2	.3	.4	.5	.9	1.2	1.9	3.4	6.5	1.3	.6	3.30	
SOUTH CAROLINA																	
RICHLAND COUNTY																	
SITE 01	66	26	.1	.1	.1	.2	.3	.4	.5	.7	.7	1.3	4.3	.6	.4	2.71	
	67	25	.0	.1	.1	.1	.1	.1	.2	.2	.3	.4	.7	.2	.2	1.90	
	66 67	51	.0	.1	.1	.1	.2	.2	.3	.4	.6	.7	4.3	.4	.3	2.31	
SOUTH DAKOTA																	
BLACK HILLS NAT FOR																	
SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.15	
	67	25	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	1.00	
	66 67	50	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.2	.1	.0	1.10	
TEXAS																	
MATAGORDA COUNTY																	
SITE 01	66	23	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.5	.1	.1	1.59	
	67	25	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	1.6	.1	.1	2.02	
	66 67	48	.0	.0	.0	.0	.1	.1	.1	.1	.1	.3	1.6	.1	.1	1.81	
VERMONT																	
ORANGE COUNTY																	
SITE 01	66	26	.0	.1	.1	.1	.1	.2	.2	.2	.9	1.4	1.6	.4	.2	2.84	
	67	25	.1	.2	.3	.4	.5	.6	1.0	1.3	1.6	2.2	6.3	1.1	.7	2.76	
	66 67	51	.0	.1	.1	.2	.2	.3	.5	1.0	1.3	1.6	6.3	.8	.4	2.80	
VIRGINIA																	
SHENANDOAH NAT PK																	
SITE 01	66	25	.1	.1	.1	.1	.1	.2	.2	.5	.6	.9	1.9	.4	.2	2.57	
	67	26	.1	.1	.1	.2	.3	.5	.6	.9	1.0	3.0	4.4	.9	.5	3.39	
	66 67	51	.1	.1	.1	.1	.2	.3	.5	.6	.9	1.9	4.4	.7	.3	2.98	
WISCONSIN																	
DOOR COUNTY																	
SITE 01	67	20	.0	.1	.1	.1	.1	.1	.1	.2	.4	.6	1.9	.3	.2	2.41	
WYOMING																	
YELLOWSTONE PARK																	
SITE 01	66	25	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00	
	67	26	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	1.00	
	66 67	51	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	1.00	

*Data contributed by state or local agency.

Table 4-3. FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
ALABAMA				
BIRMINGHAM				
SITE 01	66	25	16	1.25
GADSDEN				
SITE 01	66	26	1	.07
HUNTSVILLE				
SITE 01	67	26	1	.07
MOBILE				
SITE 01	66	26	0	
MONTGOMERY				
SITE 01	67	26	4	.47
ALASKA				
ANCHORAGE				
SITE 02	66	20	2	.13
FAIRBANKS				
SITE 01	67	23	3	.13
ARIZONA				
MARICOPA COUNTY				
SITE 01	66	26	1	.06
	67	26	0	
	66 67	52	1	.06
PHOENIX				
SITE 02	66	24	0	
	67	26	3	.06
	66 67	50	3	.06
TUCSON				
SITE 01	66	25	4	.09
	67	24	4	.08
	66 67	49	8	.09
ARKANSAS				
LITTLE ROCK				
SITE 01	66	26	2	.05
	67	25	3	.21
	66 67	51	5	.21
WEST MEMPHIS				
SITE 01	66	25	0	
CALIFORNIA				
BURBANK				
SITE 02	66	26	0	
GLENDALE				
SITE 01	67	26	0	
LONG BEACH				
SITE 01	67	25	0	
LOS ANGELES				
SITE 01	66	26	1	.08
	67	25	0	
	66 67	51	1	.08
OAKLAND				
SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
PASADENA				
SITE 01	66	25	0	
SAN DIEGO				
SITE 01	66	25	0	
	67	23	0	
	66 67	48	0	
SAN FRANCISCO				
SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	
COLORADO				
DENVER				
SITE 01	66	25	6	.11
	67	26	12	.23
	66 67	51	18	.23
CONNECTICUT				
HARTFORD				
SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	
NEW HAVEN				
SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
DELAWARE				
NEWARK				
SITE 01	66	25	2	.20
	67	26	1	.38
	66 67	51	3	.38
WILMINGTON				
SITE 01	66	24	7	.19
	67	21	6	.31
	66 67	45	13	.31
DC				
WASHINGTON				
SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
GEORGIA				
ATLANTA				
SITE 01	66	23	3	.12
	67	26	2	.47
	66 67	49	5	.47
HAWAII				
HONOLULU				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
IDAHO				
BOISE				
SITE 01	66	25	0	
	67	24	0	
	66 67	49	0	
ILLINOIS				
CHICAGO				
SITE 01	66	26	13	.42
	67	26	7	.20
	66 67	52	20	.42
EAST ST LOUIS				
SITE 01	67	23	8	1.74
ROCKFORD				
SITE 01	67	26	1	.07

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
SPRINGFIELD				
SITE 01	67	23	1	.15
INDIANA				
EAST CHICAGO				
SITE 01	66	26	17	.54
	67	25	22	.45
	66 67	51	39	.54
HAMMOND				
SITE 01	66	23	8	.52
	67	22	10	1.03
	66 67	45	18	1.03
INDIANAPOLIS				
SITE 01	66	25	0	
	67	22	0	
	66 67	47	0	
MUNCIE				
SITE 01	66	24	0	
	67	22	1	.06
	66 67	46	1	.06
NEW ALBANY				
SITE 02	66	24	6	.21
SOUTH BEND				
SITE 01	66	24	2	.29
	67	24	0	
	66 67	48	2	.29
TERRE HAUTE				
SITE 01	67	22	0	
IOWA				
CEDAR RAPIDS				
SITE 01	67	25	0	
DAVENPORT				
SITE 01	66	25	3	.08
DES MOINES				
SITE 01	66	25	7	.08
	67	25	6	.24
	66 67	50	13	.24
DUBUQUE				
SITE 01	66	26	1	.18
	67	25	0	
	66 67	51	1	.18
KANSAS				
KANSAS CITY				
SITE 01	66	23	3	.17
TOPEKA				
SITE 01	67	26	2	.06
WICHITA				
SITE 01	66	25	2	.08
	67	25	0	
	66 67	50	2	.08
KENTUCKY				
ASHLAND				
SITE 01	66	24	6	.39
COVINGTON				
SITE 01	66	25	1	.08
	67	25	0	
	66 67	50	1	.08
LEXINGTON				
SITE 01	67	26	0	
LOUISVILLE				
SITE 01	66	25	6	.53
	67	26	10	.34
	66 67	51	16	.53
LOUISIANA				
NEW ORLEANS				
SITE 02	66	26	4	.50
	67	26	7	.27
	66 67	52	11	.50
MARYLAND				
BALTIMORE				
SITE 01	66	26	12	.61
	67	25	10	.40
	66 67	51	22	.61
MICHIGAN				
DETROIT				
SITE 01	66	26	13	.57
	67	23	9	.40
	66 67	49	22	.57
FLINT				
SITE 01	67	25	0	
GRAND RAPIDS				
SITE 01	67	25	3	.17
MINNESOTA				
DULUTH				
SITE 01	66	26	2	.06
MINNEAPOLIS				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
MOORHEAD				
SITE 01	66	26	0	
ST. PAUL				
SITE 01	66	25	0	
	67	26	2	.20
	66 67	51	2	.20
MISSISSIPPI				
JACKSON				
SITE 01	66	26	2	.12
MISSOURI				
KANSAS CITY				
SITE 01	66	24	5	.23
	67	26	5	.14
	66 67	50	10	.23
ST. LOUIS				
SITE 01	66	24	3	.19
	67	25	2	.13
	66 67	49	5	.19
MONTANA				
HELENA				
SITE 01	66	26	1	.07
	67	26	1	.05
	66 67	52	2	.07

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
NEBRASKA				
OMAHA				
SITE 01	66	25	0	
	67	26	1	.06
	66 67	51	1	.06
NEVADA				
LAS VEGAS				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEVADA				
RENO				
SITE 01	67	25	0	
NEW HAMPSHIRE				
CONCORD				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEW JERSEY				
BAYONNE				
SITE 01	67	23	0	
BURLINGTON COUNTY				
SITE 02	66	26	0	
	67	26	1	.25
	66 67	52	1	.25
CAMDEN				
SITE 01	66	25	4	.20
GLASSBORO				
SITE 01	66	26	1	.05
	67	26	0	
	66 67	52	1	.05
JERSEY CITY				
SITE 01	66	23	0	
	67	25	0	
	66 67	48	0	
NEWARK				
SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
PATERSON				
SITE 01	67	25	0	
PERTH AMBOY				
SITE 01	67	25	0	
TRENTON				
SITE 01	66	21	1	.10
NEW MEXICO				
ALBUQUERQUE				
SITE 01	66	24	0	
	67	26	5	.11
	66 67	50	5	.11
NEW YORK				
NEW YORK CITY				
SITE 01	66	24	0	
	67	21	0	
	66 67	45	0	
NORTH CAROLINA				
CHARLOTTE				
SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
OHIO				
AKRON				
SITE 01	66	25	5	.19
	67	26	2	.09
	66 67	51	7	.19
CINCINNATI				
SITE 01	66	25	3	.10
	67	25	2	.16
	66 67	50	5	.16
CLEVELAND				
SITE 01	66	26	11	.17
	67	26	7	.36
	66 67	52	18	.36
COLUMBUS				
SITE 01	66	25	3	.12
	67	26	0	
	66 67	51	3	.12
DAYTON				
SITE 01	66	26	4	.24
	67	26	2	.08
	66 67	52	6	.24
TOLEDO				
SITE 01	66	26	1	.10
	67	26	2	.16
	66 67	52	3	.16
YOUNGSTOWN				
SITE 01	66	26	15	.41
	67	26	11	.34
	66 67	52	26	.41
OKLAHOMA				
OKLAHOMA CITY				
SITE 01	66	26	0	
	67	25	1	.06
	66 67	51	1	.06
TULSA				
SITE 01	66	25	1	.08
	67	25	2	.05
	66 67	50	2	.08
OREGON				
EUGENE				
SITE 01	67	24	0	
MEDFORD				
SITE 01	67	25	0	
PORTLAND				
SITE 01	66	22	13	.83
	67	26	15	1.54
	66 67	48	28	1.54
PENNSYLVANIA				
ALLENTOWN				
SITE 01	67	25	5	.16
ALTOONA				
SITE 01	67	25	2	.09
BETHLEHEM				
SITE 01	67	25	11	.37
ERIE				
SITE 01	67	26	0	
LANCASTER				
SITE 01	66	26	1	.37
	67	24	0	
	66 67	50	1	.37

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
PHILADELPHIA SITE 01	66	24	7	.34
	67	26	11	.52
	66 67	50	18	.52
PITTSBURGH SITE 01	66	26	17	.35
	67	25	22	.80
	66 67	51	39	.80
READING SITE 01	66	25	18	1.89
	67	25	9	.76
	66 67	50	27	1.89
SCRANTON SITE 01	67	23	8	.53
WARMINSTER SITE 01	66	25	1	.08
	67	23	0	
	66 67	48	1	.08
WEST CHESTER SITE 01	67	26	0	
YORK SITE 01	67	26	1	.13
PUERTO RICO BAYAMON SITE 01	66	26	13	.35
	67	25	6	.23
	66 67	51	19	.35
CATANO SITE 01	66	24	1	.18
GUAYANILLA SITE 01	66	25	0	
	67	23	0	
	66 67	48	0	
PONCE SITE 01	66	26	7	.54
	67	24	9	.47
	66 67	50	16	.54
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	0	
PROVIDENCE SITE 01	66	24	2	.07
	67	23	0	
	66 67	47	2	.07
SOUTH CAROLINA COLUMBIA SITE 01	66	23	0	
	67	26	1	.08
	66 67	49	1	.08
SOUTH CAROLINA GREENVILLE SITE 01	66	26	0	
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	0	
TENNESSEE CHATTANOOGA SITE 01	66	23	9	.70
	67	22	7	.40
	66 67	45	16	.70
KNOXVILLE SITE 01	67	24	13	1.05
MEMPHIS SITE 01	66	26	5	.28
	67	26	0	
	66 67	52	5	.28
NASHVILLE SITE 01	66	24	16	.84
	67	25	13	1.20
	66 67	49	29	1.20
TEXAS DALLAS SITE 01	66	24	3	.08
HOUSTON SITE 01	66	26	5	.13
	67	25	8	.62
	66 67	51	13	.62
PASADENA SITE 01	67	24	3	.51
SAN ANTONIO SITE 01	66	25	4	.13
	67	25	0	
	66 67	50	4	.13
UTAH OGDEN SITE 01	66	24	1	.05
SALT LAKE CITY SITE 01	66	24	9	.14
	67	25	5	.16
	66 67	49	14	.16
VERMONT BURLINGTON SITE 01	66	25	0	
VIRGINIA DANVILLE SITE 01	66	23	0	
HAMPTON SITE 01	67	26	1	.24
LYNCHBURG SITE 01	67	26	1	.11
NORFOLK SITE 01	66	26	2	.38
	67	25	4.	.32
	66 67	51	6	.38
PORTSMOUTH SITE 01	67	26	5	.19
RICHMOND SITE 01	67	26	0	
ROANOKE SITE 01	67	25	3	.29

Table 4-3 (continued). FLUORIDES, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
WASHINGTON				
SEATTLE				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
WEST VIRGINIA				
CHARLESTON				
SITE 01	66	22	4	.45
	67	26	1	.23
	66 67	48	5	.45
WISCONSIN				
KENOSHA				
SITE 01	67	26	0	
MADISON				
SITE 01	67	26	0	

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
WISCONSIN				
MILWAUKEE				
SITE 01	66	26	4	.24
	67	26	4	.13
	66 67	52	8	.24
WYOMING				
CASPER				
SITE 01	67	26	0	
CHEYENNE				
SITE 01	66	26	0	
	67	24	0	
	66 67	50	0	

Table 4-4. FLUORIDES, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	66	25	1	.05
	67	25	0	
	66 67	50	1	.05
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	66	24	0	
	67	25	0	
	66 67	49	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	66	25	0	
	67	24	0	
	66 67	49	0	
DELAWARE				
KENT COUNTY				
SITE 01	66	25	0	
	67	25	0	
	66 67	50	0	
IDAHO				
BUTTE COUNTY				
SITE 01	67	25	0	
INDIANA				
MONROE COUNTY				
SITE 01	66	22	0	
	67	24	0	
	66 67	46	0	
PARKE COUNTY				
SITE 01	66	25	0	
	67	21	5	.10
	66 67	46	5	.10
IOWA				
DELAWARE COUNTY				
SITE 01	66	23	0	
MAINE				
ACADIA NAT PK				
SITE 01	66	24	0	
	67	20	0	
	66 67	44	0	
MARYLAND				
CALVERT COUNTY				
SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
MISSISSIPPI				
JACKSON COUNTY				
SITE 01	66	26	0	
	67	25	1	.08
	66 67	51	1	.08
MISSOURI				
SHANNON COUNTY				
SITE 01	66	24	0	
	67	24	0	
	66 67	48	0	
MONTANA				
GLACIER NAT PK				
SITE 01	66	24	9	.08
	67	24	0	
	66 67	48	9	.08
NEBRASKA				
THOMAS COUNTY				
SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	
NEVADA				
WHITE PINE COUNTY				
SITE 01	66	22	7	.06
	67	23	0	
	66 67	45	7	.06
NEW HAMPSHIRE				
COOS COUNTY				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NEW MEXICO				
RIO ARRIBA COUNTY				
SITE 01	66	24	2	.05
	67	23	0	
	66 67	47	2	.05
NEW YORK				
JEFFERSON COUNTY				
SITE 01	66	26	0	
	67	26	0	
	66 67	52	0	
NORTH CAROLINA				
CAPE HATTERAS				
SITE 01	66	23	0	
	67	23	0	
	66 67	46	0	
OKLAHOMA				
CHERCKEE COUNTY				
SITE 01	66	26	0	
	67	25	0	
	66 67	51	0	
OREGON				
CURRY COUNTY				
SITE 01	66	24	0	
	67	25	0	
	66 67	49	0	
PENNSYLVANIA				
CLARION COUNTY				
SITE 01	66	24	0	
	67	24	0	
	66 67	48	0	
RHODE ISLAND				
WASHINGTON COUNTY				
SITE 01	66	23	0	
	67	24	0	
	66 67	47	0	
SOUTH CAROLINA				
RICHLAND COUNTY				
SITE 01	66	26	1	.05
	67	25	0	
	66 67	51	1	.05

Table 4-4 (continued). FLUORIDES, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collected	Above detect. quan.	
SOUTH DAKOTA				
BLACK HILLS NAT FOR				
SITE 01	66	25	2	.09
	67	25	3	.16
	66 67	50	5	.16
TEXAS				
MATAGORDA COUNTY				
SITE 01	66	23	0	
	67	25	0	
	66 67	48	0	
VERMONT				
ORANGE COUNTY				
SITE 01	66	26	2	.09
	67	25	0	
	66 67	51	2	.09

Station location	Year	No. of samples		Max conc., μg/m³
		Collected	Above detect quan.	
VIRGINIA				
SHENANDOAH NAT PK				
SITE 01	66	25	0	
	67	26	0	
	66 67	51	0	
WISCONSIN				
DOOR COUNTY				
SITE 01	67	20	0	
WYOMING				
YELLOWSTONE PARK				
SITE 01	66	25	2	.07
	67	26	0	
	66 67	51	2	.07

Table 4-5. NITRATES, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, µg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALABAMA																
BIRMINGHAM SITE 01	66	25	.8	1.3	1.4	1.7	2.0	2.3	2.8	3.3	3.5	5.6	9.4	3.0	2.5	1.79
GADSDEN SITE 01	66	26	.4	.6	1.0	1.1	1.3	1.6	1.7	1.8	1.9	2.4	2.4	1.5	1.3	1.62
HUNTSVILLE SITE 01	67	20	.1	.1	.4	.6	.9	.9	1.4	1.7	1.7	2.3	3.8	1.2	.8	2.80
MOBILE SITE 01	66	26	.5	.8	.9	.9	1.0	1.0	1.2	1.3	1.4	1.7	2.8	1.2	1.1	1.46
MONTGOMERY SITE 01	67	26	.0	.1	.5	.6	1.0	1.1	1.3	1.6	1.6	1.8	2.0	1.1	.8	2.73
ALASKA																
ANCHORAGE SITE 02	66	20	.1	.1	.2	.2	.3	.3	.4	.4	.5	.7	.8	.4	.3	1.81
FAIRBANKS SITE 01	67	23	.0	.2	.3	.3	.4	.6	.7	.7	.9	1.0	2.3	.6	.5	2.14
ARIZONA																
MARICOPA COUNTY SITE 01	66	26	.3	.5	.7	1.0	1.2	1.3	1.4	1.4	1.5	1.7	2.2	1.2	1.1	1.66
	67	26	.3	1.2	1.2	1.5	1.7	1.8	1.9	2.1	2.3	2.6	3.7	1.8	1.7	1.62
	66 67	52	.3	.7	1.1	1.2	1.3	1.4	1.6	1.8	2.0	2.3	3.7	1.5	1.3	1.64
PHOENIX SITE 02	66	24	.6	1.4	1.7	1.9	2.3	2.5	2.6	2.7	3.2	4.7	6.0	2.6	2.3	1.71
	67	26	.8	1.4	1.7	1.9	2.1	2.3	2.7	3.4	3.8	5.3	8.4	2.9	2.5	1.66
	66 67	50	.6	1.4	1.7	1.9	2.1	2.4	2.6	2.9	3.7	4.7	8.4	2.8	2.4	1.68
TUCSON SITE 01	66	25	.8	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.5	1.8	2.6	1.3	1.3	1.29
	67	24	.6	.9	1.1	1.4	1.5	1.6	1.8	1.9	2.1	2.7	3.2	1.7	1.6	1.49
	66 67	49	.6	.9	1.1	1.1	1.3	1.3	1.5	1.7	1.9	2.2	3.2	1.5	1.4	1.40
ARKANSAS																
LITTLE ROCK SITE 01	66	26	.3	.6	1.4	1.6	1.6	1.7	2.1	2.2	2.4	2.7	3.8	1.8	1.6	1.82
	67	25	.3	1.1	1.1	1.3	1.5	1.6	1.8	2.4	2.7	2.8	3.0	1.8	1.6	1.67
	66 67	51	.3	.9	1.1	1.5	1.6	1.7	2.1	2.2	2.6	2.7	3.8	1.8	1.6	1.75
WEST MEMPHIS SITE 01	66	25	.3	.3	.6	.9	1.1	1.2	1.3	1.5	2.0	2.1	2.8	1.3	1.1	1.89
CALIFORNIA																
BURBANK SITE 02	66	26	1.0	1.7	2.1	2.6	3.1	3.3	4.0	5.1	5.7	6.4	8.8	3.9	3.4	1.72
GLENDALE SITE 01	67	26	1.2	1.6	2.4	2.5	2.8	3.1	3.5	4.9	5.3	7.2	9.1	3.8	3.3	1.70
LONG BEACH SITE 01	67	25	.6	1.3	1.6	1.9	3.2	4.0	4.2	6.2	6.8	12.1	14.0	4.8	3.5	2.32
LOS ANGELES SITE 01	66	26	1.1	2.2	3.0	3.4	4.2	4.9	5.9	6.6	7.3	8.5	10.3	5.2	4.5	1.81
	67	25	1.4	2.0	2.0	3.0	3.7	4.3	4.4	5.0	6.0	7.0	8.0	4.3	3.8	1.64
	66 67	51	1.1	2.0	2.7	3.4	3.9	4.4	5.0	6.0	6.8	7.4	10.3	4.8	4.2	1.73
OAKLAND SITE 01	66	25	.6	.8	1.0	1.1	1.2	1.9	2.3	3.1	3.2	4.0	6.7	2.3	1.8	1.94
	67	25	1.0	1.8	2.4	2.6	2.9	4.1	4.8	5.2	5.4	10.1	11.3	4.7	4.0	1.87
	66 67	50	.6	1.0	1.2	1.8	2.3	2.7	3.2	4.0	5.2	6.7	11.3	3.5	2.7	1.90
PASADENA SITE 01	66	25	.6	1.5	2.6	2.8	2.9	3.4	3.6	4.3	4.7	6.6	9.1	3.8	3.3	1.83
SAN DIEGO SITE 01	66	25	.3	1.2	1.4	2.1	2.2	2.6	2.7	3.1	3.7	4.9	6.3	2.7	2.3	1.94
	67	24	.2	.3	1.0	1.6	2.2	2.8	3.3	4.0	4.9	6.0	8.3	3.1	2.1	2.82
	66 67	49	.2	.6	1.2	1.7	2.2	2.7	2.9	3.7	4.6	5.5	8.3	2.9	2.2	2.39
SAN FRANCISCO SITE 01	66	26	.4	.5	.7	.7	1.1	1.1	1.6	2.1	2.9	4.8	8.0	2.0	1.4	2.32
	67	25	.6	.7	.8	1.2	1.5	1.9	2.0	4.4	5.9	9.6	10.5	3.5	2.3	2.56
	66 67	51	.4	.6	.7	1.1	1.2	1.6	2.0	2.9	4.4	7.0	10.5	2.8	1.8	2.44

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
COLORADO DENVER SITE 01	66	25	.4	.6	.7	.8	.8	.9	1.0	1.4	2.2	3.1	5.8	1.4	1.1	1.92
	67	26	.6	1.1	1.2	1.3	1.4	1.5	1.9	2.2	2.7	3.5	4.5	1.9	1.7	1.60
	66 67	51	.4	.7	.8	.9	1.2	1.3	1.5	1.9	2.3	3.1	5.8	1.7	1.4	1.77
CONNECTICUT HARTFORD SITE 01	66	26	.5	.7	.7	.8	.9	1.1	1.2	1.5	1.7	1.9	2.8	1.2	1.1	1.60
	67	26	.1	.4	.7	.9	1.1	1.2	1.3	2.8	4.1	6.6	17.5	2.7	1.4	3.19
	66 67	52	.1	.5	.7	.8	.9	1.1	1.3	1.7	1.9	4.1	17.5	2.0	1.2	2.42
NEW HAVEN SITE 01	66	25	.3	.4	.5	.6	.8	1.0	1.0	1.2	1.5	1.8	2.8	1.1	.9	1.83
	67	26	.0	.2	.3	.4	.6	.6	.8	1.3	1.5	2.6	3.3	1.0	.7	2.61
	66 67	51	.0	.3	.4	.5	.6	.8	1.0	1.2	1.5	2.5	3.3	1.1	.8	2.23
DELAWARE NEWARK SITE 01	66	25	.1	.3	.4	.5	.6	.7	.9	1.0	1.0	1.4	2.2	.8	.7	1.89
	67	26	.1	.3	.5	.6	.7	.8	1.1	1.2	1.4	1.5	2.5	.9	.8	2.18
	66 67	51	.1	.3	.5	.6	.6	.8	1.0	1.1	1.3	1.5	2.5	.9	.7	2.04
WILMINGTON SITE 01	66	24	.4	.5	.8	1.0	1.3	1.4	1.7	1.8	2.1	3.2	3.8	1.5	1.3	1.87
	67	21	.4	.9	1.0	1.2	1.7	1.9	2.2	2.4	2.7	3.4	6.1	2.1	1.7	1.90
	66 67	45	.4	.6	.9	1.0	1.3	1.7	1.8	2.1	2.4	3.4	6.1	1.8	1.5	1.89
DC WASHINGTON SITE 01	66	25	1.0	1.1	1.4	1.6	1.6	1.7	1.8	1.9	2.1	2.7	3.9	1.8	1.7	1.37
	67	26	.7	1.0	1.2	1.3	1.5	1.6	2.0	2.3	2.4	3.4	3.8	1.9	1.7	1.55
	66 67	51	.7	1.1	1.3	1.5	1.6	1.7	1.9	2.1	2.3	2.7	3.9	1.9	1.7	1.46
GEORGIA ATLANTA SITE 01	66	23	.4	.8	1.0	1.3	1.6	1.6	1.8	1.9	2.3	2.9	4.4	1.7	1.5	1.80
	67	26	.7	.8	1.1	1.3	1.7	1.9	2.2	2.7	3.6	4.6	5.2	2.3	1.9	1.83
	66 67	49	.4	.8	1.0	1.3	1.6	1.8	1.9	2.3	2.9	4.4	5.2	2.0	1.7	1.82
HAWAII HONOLULU SITE 01	66	26	.1	.2	.2	.3	.4	.5	.5	.8	.9	2.1	8.5	1.0	.5	2.79
	67	26	.2	.3	.3	.4	.4	.4	.6	.9	1.2	1.5	2.1	.7	.6	2.00
	66 67	52	.1	.2	.3	.3	.4	.4	.5	.8	1.1	1.5	8.5	.9	.5	2.40
IDAHO BOISE SITE 01	66	25	.2	.5	.5	.6	.7	.8	.9	1.2	1.3	1.8	2.8	1.0	.8	1.85
	67	25	.5	.5	.6	.8	.8	.9	1.0	1.1	1.2	1.5	1.8	1.0	.9	1.44
	66 67	50	.2	.5	.6	.7	.8	.9	.9	1.1	1.3	1.5	2.8	1.0	.9	1.66
ILLINOIS CHICAGO SITE 01	66	26	.1	.3	.5	.9	1.2	1.6	1.7	2.1	2.7	3.5	4.5	1.7	1.2	2.66
	67	26	.4	.5	.7	.9	1.0	1.4	1.6	1.7	1.9	2.3	6.3	1.5	1.2	1.90
	66 67	52	.1	.4	.6	.9	1.2	1.4	1.6	1.8	2.2	3.2	6.3	1.6	1.2	2.29
EAST ST LOUIS SITE 01	67	23	1.0	1.3	1.4	1.6	1.8	1.9	2.1	2.6	2.6	3.2	4.4	2.1	2.0	1.44
ROCKFORD SITE 01	67	26	.6	.7	.8	.9	1.0	1.1	1.3	1.7	1.9	2.3	4.8	1.4	1.2	1.64
SPRINGFIELD SITE 01	67	23	.5	.7	1.0	1.4	2.0	2.1	2.3	2.7	2.9	3.0	4.0	2.1	1.8	1.79
INDIANA EAST CHICAGO SITE 01	66	26	.5	.7	.8	1.6	2.2	2.4	3.1	3.6	4.5	6.2	8.8	2.9	2.3	2.20
	67	25	.6	1.2	1.3	1.5	1.6	2.1	2.2	2.4	3.0	3.3	5.2	2.2	1.9	1.72
	66 67	51	.5	.8	1.3	1.5	1.9	2.2	2.4	3.1	3.5	5.0	8.8	2.6	2.1	1.97
HAMMOND SITE 01	66	24	.4	.6	.9	1.1	1.3	1.4	1.5	2.1	2.8	4.9	6.2	2.0	1.5	2.09
	67	22	.6	1.0	1.2	1.7	1.9	2.2	2.4	3.6	3.9	4.8	8.4	2.8	2.2	1.97
	66 67	46	.4	.7	1.0	1.2	1.4	1.8	2.2	2.5	3.7	4.9	8.4	2.4	1.9	2.03
INDIANAPOLIS SITE 01	66	25	1.0	1.3	1.4	1.7	1.7	1.9	2.1	2.4	2.7	3.0	5.2	2.1	2.0	1.46
	67	22	.2	1.4	1.8	2.0	2.0	2.4	2.6	2.9	3.0	4.5	5.3	2.5	2.2	1.96
	66 67	47	.2	1.3	1.7	1.8	1.9	2.1	2.4	2.6	2.9	4.1	5.3	2.3	2.1	1.73
MUNCIE SITE 01	66	24	.2	.8	1.1	1.6	1.7	1.9	2.1	2.3	2.7	2.9	4.0	1.9	1.6	1.96
	67	22	1.3	1.4	1.4	1.5	1.7	2.1	2.3	2.3	2.8	3.9	7.2	2.4	2.1	1.53
	66 67	46	.2	1.1	1.4	1.5	1.7	2.0	2.2	2.3	2.7	3.1	7.2	2.2	1.9	1.75

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW ALBANY SITE 02	66	24	.1	.5	1.3	2.0	2.3	2.4	2.6	2.7	4.1	5.2	9.8	2.8	2.0	2.64
SOUTH BEND SITE 01	66	24	.5	.6	.6	.8	1.0	1.1	1.5	1.8	2.5	2.6	3.2	1.5	1.2	1.81
	67	24	.2	.5	.6	.9	1.0	1.2	1.5	1.7	2.1	2.6	5.1	1.5	1.2	2.07
	66 67	48	.2	.6	.6	.9	1.0	1.1	1.5	1.8	2.1	2.6	5.1	1.5	1.2	1.94
TERRE HAUTE SITE 01	67	22	.3	.6	.8	1.2	1.2	1.4	1.7	1.9	2.1	2.2	2.7	1.5	1.3	1.74
IOWA																
CEDAR RAPIDS SITE 01	67	25	.0	.0	.1	.7	1.2	1.5	1.7	2.1	2.4	3.2	6.9	1.7	.9	4.11
DAVENPORT SITE 01	66	25	.7	1.1	1.5	1.7	1.9	2.1	2.4	2.8	3.1	4.1	5.2	2.4	2.1	1.60
DES MOINES SITE 01	66	25	.3	.5	.9	1.0	1.1	1.7	1.9	2.4	2.6	2.8	3.8	1.7	1.4	1.97
	67	25	.7	1.0	1.0	1.5	1.6	1.7	2.1	2.4	2.5	3.5	4.6	2.0	1.8	1.63
	66 67	50	.3	.7	1.0	1.1	1.5	1.7	2.0	2.4	2.6	2.9	4.6	1.9	1.6	1.81
DUBUQUE SITE 01	66	26	.5	.8	.9	1.0	1.1	1.1	1.4	1.5	1.7	2.4	2.8	1.3	1.2	1.50
	67	25	.4	.7	1.0	1.1	1.3	1.6	1.8	2.2	2.3	3.4	9.0	2.0	1.6	1.97
	66 67	51	.4	.7	.9	1.0	1.1	1.4	1.5	1.8	2.2	2.6	9.0	1.7	1.4	1.75
KANSAS																
KANSAS CITY SITE 01	66	23	.4	.9	1.2	1.5	1.7	1.7	1.9	2.3	2.6	3.6	5.2	2.0	1.7	1.75
TOPEKA SITE 01	67	26	.5	.5	.7	1.0	1.3	1.3	1.8	1.9	2.2	2.3	2.6	1.5	1.3	1.74
WICHITA SITE 01	66	25	.3	.6	1.0	1.1	1.3	1.6	1.7	1.9	2.1	3.2	3.5	1.6	1.4	1.88
	67	25	.2	.6	.7	1.0	1.3	1.4	1.5	1.8	1.8	2.2	2.8	1.4	1.2	1.81
	66 67	50	.2	.6	.9	1.1	1.3	1.5	1.6	1.8	1.9	2.3	3.5	1.5	1.3	1.85
KENTUCKY																
ASHLAND SITE 01	66	24	.1	.5	1.1	1.2	1.3	1.7	2.2	2.5	3.5	4.3	9.4	2.3	1.6	2.59
COVINGTON SITE 01	66	25	.2	.5	.6	.9	1.1	1.3	1.4	1.5	1.9	2.6	3.7	1.4	1.1	2.01
	67	25	.5	.5	.7	1.0	1.0	1.2	1.3	1.5	1.6	2.0	3.8	1.3	1.2	1.63
	66 67	50	.2	.5	.7	.9	1.1	1.2	1.3	1.5	1.8	2.4	3.8	1.4	1.2	1.83
LEXINGTON SITE 01	67	26	.2	.6	.9	1.2	1.5	1.6	1.9	2.4	2.5	2.9	7.8	1.9	1.4	2.25
LOUISVILLE SITE 01	66	25	.7	1.0	1.4	2.0	2.2	2.5	2.8	3.1	4.0	4.6	6.9	2.8	2.4	1.78
	67	26	.2	1.1	1.2	1.3	1.7	1.9	2.3	2.5	2.8	3.3	6.1	2.1	1.8	1.89
	66 67	51	.2	1.1	1.3	1.7	2.0	2.2	2.5	2.8	3.1	4.1	6.9	2.5	2.1	1.83
LOUISIANA																
NEW ORLEANS SITE 02	66	26	.2	1.1	1.3	1.3	1.7	1.9	2.0	2.5	2.6	3.8	7.0	2.2	1.8	1.93
	67	26	.9	1.6	1.8	2.0	2.0	2.2	2.9	4.0	4.2	5.6	7.1	3.1	2.7	1.67
	66 67	52	.2	1.2	1.5	1.7	1.9	2.0	2.5	2.9	3.8	5.0	7.1	2.7	2.2	1.80
MARYLAND																
BALTIMORE SITE 01	66	26	.8	1.4	1.7	1.9	2.0	2.2	2.3	2.7	3.0	3.8	5.5	2.4	2.2	1.50
	67	25	.8	1.0	1.1	1.5	1.7	1.8	2.0	2.4	3.0	3.1	6.2	2.1	1.9	1.64
	66 67	51	.8	1.1	1.5	1.7	1.9	2.0	2.3	2.5	3.0	3.6	6.2	2.3	2.1	1.57
MICHIGAN																
DETROIT SITE 01	66	26	.9	1.3	1.9	2.5	2.7	3.1	3.8	4.1	5.0	7.6	9.3	3.7	3.1	1.87
	67	23	.5	1.0	1.2	1.3	1.9	2.8	3.1	3.7	4.3	4.8	6.3	2.8	2.2	2.02
	66 67	49	.5	1.0	1.3	1.9	2.6	2.8	3.4	3.8	4.7	6.3	9.3	3.3	2.6	1.95
FLINT SITE 01	67	25	.2	.6	.9	1.1	1.1	1.7	1.9	2.0	2.3	2.9	9.8	2.0	1.5	2.15
GRAND RAPIDS SITE 01	67	25	.2	.9	1.0	1.3	1.5	1.6	1.9	2.1	2.8	4.3	5.4	2.0	1.6	2.12
MINNESOTA																
DULUTH SITE 01	66	26	.1	.2	.2	.3	.4	.5	.8	1.1	1.3	2.1	3.5	.9	.6	2.65

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MINNEAPOLIS																
SITE 01	66	26	.1	.2	.5	.6	.7	.8	.9	1.4	1.8	1.9	2.2	1.0	.8	2.19
	67	26	.2	.4	.8	.9	1.1	1.5	1.7	2.0	2.7	2.9	5.2	1.7	1.3	2.18
	66 67	52	.1	.4	.6	.7	.9	1.0	1.5	1.8	1.9	2.7	5.2	1.4	1.0	2.18
MOORHEAD																
SITE 01	66	26	.2	.3	.3	.3	.4	.5	.5	.6	.7	1.2	1.8	.6	.5	1.72
ST. PAUL																
SITE 01	66	25	.4	.5	.5	.8	.9	1.3	1.4	1.8	2.0	2.5	6.3	1.5	1.2	1.95
	67	26	.2	.5	.8	1.0	1.5	1.5	1.9	2.1	2.6	3.7	6.6	1.9	1.4	2.33
	66 67	51	.2	.5	.7	.9	1.1	1.4	1.6	2.0	2.3	2.8	6.6	1.7	1.3	2.15
MISSISSIPPI																
JACKSON																
SITE 01	66	26	.3	.4	.8	1.0	1.1	1.2	1.3	1.8	1.8	2.2	3.0	1.3	1.2	1.76
MISSOURI																
KANSAS CITY																
SITE 01	66	24	.2	1.1	1.3	1.5	1.7	1.9	2.2	2.3	2.4	2.5	3.4	1.9	1.7	1.74
	67	26	.3	.5	1.3	1.7	1.9	2.0	2.3	2.6	3.0	3.6	4.4	2.1	1.8	1.99
	66 67	50	.2	.6	1.3	1.5	1.8	2.0	2.2	2.3	2.5	3.2	4.4	2.0	1.7	1.87
ST. LOUIS																
SITE 01	66	24	.1	.6	.8	1.0	1.2	1.3	2.0	2.2	2.9	3.3	3.4	1.7	1.3	2.22
	67	25	.4	.9	1.0	1.2	1.3	1.5	1.6	1.8	1.8	2.2	3.7	1.5	1.4	1.64
	66 67	49	.1	.6	1.0	1.1	1.3	1.5	1.7	1.9	2.2	3.1	3.7	1.6	1.4	1.94
MONTANA																
HELENA																
SITE 01	66	26	.0	.1	.2	.2	.3	.3	.3	.4	.5	1.2	2.0	.5	.3	2.29
	67	26	.1	.4	.5	.6	.7	.8	.9	1.0	1.1	2.0	2.9	.9	.8	2.04
	66 67	52	.0	.2	.2	.3	.4	.5	.7	.9	1.1	1.4	2.9	.7	.5	2.16
NEBRASKA																
OMAHA																
SITE 01	66	25	.1	.4	.6	.8	1.0	1.3	1.4	2.2	2.9	4.3	6.0	1.8	1.3	2.60
	67	26	.3	.6	1.0	1.2	1.5	1.6	1.9	2.2	2.3	2.9	3.3	1.7	1.5	1.84
	66 67	51	.1	.5	.8	1.0	1.3	1.5	1.7	2.2	2.8	3.2	6.0	1.8	1.4	2.23
NEVADA																
LAS VEGAS																
SITE 01	66	26	.4	.6	.9	1.0	1.3	1.3	1.4	1.5	1.8	2.4	4.3	1.5	1.3	1.71
	67	26	.4	.5	1.1	1.3	1.5	1.7	1.9	2.2	2.5	3.1	3.5	1.8	1.6	1.79
	66 67	52	.4	.6	1.0	1.1	1.3	1.4	1.6	1.9	2.3	2.7	4.3	1.7	1.4	1.75
RENO																
SITE 01	67	25	.3	.4	.5	.7	.9	1.2	1.2	1.6	2.1	2.6	12.8	1.7	1.1	2.29
NEW HAMPSHIRE																
CONCORD																
SITE 01	66	26	.0	.0	.1	.1	.2	.2	.2	.2	.4	.7	1.0	.3	.2	2.04
	67	26	.1	.1	.1	.1	.2	.2	.3	.6	.7	1.3	1.8	.5	.3	2.68
	66 67	52	.0	.1	.1	.1	.2	.2	.2	.4	.6	.9	1.8	.4	.2	2.36
NEW JERSEY																
BAYONNE																
SITE 01	67	23	.2	.5	.7	.8	1.0	1.2	1.4	1.8	2.0	2.4	3.0	1.3	1.1	1.89
BURLINGTON COUNTY																
SITE 02	66	26	.2	.3	.4	.6	.7	.7	.8	1.4	1.9	2.7	10.1	1.4	.9	2.42
	67	26	.1	.3	.5	.6	.8	.9	1.0	1.2	1.3	1.8	2.0	.9	.8	2.03
	66 67	52	.1	.3	.4	.6	.7	.8	.9	1.2	1.5	2.0	10.1	1.2	.8	2.23
CAMDEN																
SITE 01	66	25	.6	.9	1.2	1.5	1.6	1.7	1.8	2.0	2.6	2.9	5.6	1.8	1.7	1.58
GLASSBORO																
SITE 01	66	26	.3	.4	.5	.6	.8	1.1	1.3	1.6	1.7	2.0	2.6	1.1	.9	1.89
	67	26	.1	.2	.5	.7	.8	.9	1.1	1.2	1.5	1.7	2.1	1.0	.8	2.11
	66 67	52	.1	.4	.5	.6	.8	1.0	1.1	1.4	1.6	1.7	2.6	1.1	.9	2.00
JERSEY CITY																
SITE 01	66	23	.4	.5	.7	.8	.9	1.1	1.3	1.6	1.8	2.0	3.7	1.3	1.1	1.73
	67	25	.3	.5	.6	.8	.9	1.1	1.4	1.8	1.9	2.8	3.9	1.4	1.2	1.97
	66 67	48	.3	.5	.7	.8	.9	1.1	1.4	1.7	1.9	2.7	3.9	1.4	1.1	1.85
NEWARK																
SITE 01	66	25	.6	.9	1.0	1.1	1.1	1.4	1.5	1.7	1.7	1.9	2.4	1.4	1.3	1.44
	67	25	.2	.5	.8	1.1	1.3	1.6	1.7	2.1	2.6	3.6	6.4	1.9	1.5	2.19
	66 67	50	.2	.6	.9	1.1	1.3	1.5	1.6	1.7	1.9	2.6	6.4	1.7	1.4	1.84
PATERSON																
SITE 01	67	25	.3	.3	.4	.6	.7	1.1	1.1	1.7	1.9	2.5	2.7	1.2	1.0	2.11
PERTH AMBOY																
SITE 01	67	25	.1	.4	.6	.7	.8	1.0	1.0	1.3	1.5	2.3	5.2	1.1	.9	2.07

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
TRENTON																
SITE 01	66	21	.6	.8	.9	1.0	1.2	1.3	1.6	1.8	2.1	2.7	4.2	1.6	1.4	1.68
NEW MEXICO																
ALBUQUERQUE																
SITE 01	66	25	.1	.5	.7	.9	.9	1.0	1.1	1.3	1.9	2.9	3.3	1.3	1.0	2.13
	67	26	.8	1.0	1.1	1.1	1.3	1.4	1.6	2.1	2.4	3.1	5.3	1.8	1.6	1.60
	66 67	51	.1	.7	.9	1.0	1.1	1.2	1.4	1.9	2.3	2.9	5.3	1.6	1.3	1.88
NEW YORK																
NEW YORK CITY																
SITE 01	66	24	.4	.6	.7	1.0	1.1	1.2	1.7	1.9	2.5	4.0	6.0	1.8	1.4	2.05
	67	21	.2	.4	.6	.9	.9	1.1	1.6	1.8	2.1	2.8	3.1	1.4	1.1	2.14
	66 67	45	.2	.5	.7	.9	1.0	1.2	1.6	1.9	2.2	3.1	6.0	1.6	1.2	2.09
NORTH CAROLINA																
CHARLOTTE																
SITE 01	66	26	.7	1.3	1.8	1.9	2.0	2.2	2.5	3.1	3.3	3.6	5.6	2.5	2.3	1.54
	67	25	.4	.8	.9	1.2	1.5	1.9	2.1	2.2	2.4	3.0	4.1	1.8	1.6	1.80
	66 67	51	.4	.9	1.3	1.7	1.9	2.1	2.2	2.5	3.0	3.3	5.6	2.2	1.9	1.67
OHIO																
AKRON																
SITE 01	66	25	.4	.5	.7	1.7	1.8	1.9	2.3	2.4	2.7	3.4	7.3	2.2	1.8	2.05
	67	26	.2	.7	.9	1.1	1.2	1.2	1.6	2.1	2.7	5.4	7.5	1.9	1.5	2.16
	66 67	51	.2	.6	.9	1.2	1.4	1.7	1.9	2.4	2.7	3.4	7.5	2.1	1.6	2.10
CINCINNATI																
SITE 01	66	25	.3	.9	1.0	1.3	1.6	1.9	2.1	2.7	2.9	3.6	6.1	2.1	1.8	1.92
	67	25	.8	1.0	1.1	1.2	1.4	1.5	1.7	1.9	2.0	2.5	4.3	1.7	1.6	1.51
	66 67	50	.3	.9	1.1	1.2	1.5	1.6	1.9	2.1	2.5	3.3	6.1	1.9	1.7	1.73
CLEVELAND																
SITE 01	66	26	.3	.6	.7	.7	1.0	1.2	1.4	1.8	2.0	2.2	4.0	1.4	1.1	1.85
	67	26	.4	.6	.9	.9	1.1	1.2	1.6	1.8	2.2	3.6	4.4	1.6	1.3	1.85
	66 67	52	.3	.6	.7	.9	1.1	1.2	1.5	1.8	2.0	2.8	4.4	1.5	1.2	1.85
COLUMBUS																
SITE 01	66	25	.2	1.1	1.4	1.6	1.7	1.9	2.0	2.4	2.7	2.9	5.3	2.1	1.8	1.83
	67	26	.4	1.0	1.2	1.2	1.6	1.6	1.8	2.3	2.5	3.1	4.3	1.9	1.7	1.69
	66 67	51	.2	1.0	1.2	1.5	1.6	1.8	2.0	2.3	2.7	3.0	5.3	2.0	1.7	1.76
DAYTON																
SITE 01	66	26	.3	.5	1.0	1.5	1.8	1.9	2.0	2.5	2.6	3.8	9.1	2.2	1.7	2.12
	67	26	.4	.8	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.4	4.4	1.7	1.5	1.61
	66 67	52	.3	.7	1.2	1.4	1.6	1.7	1.9	2.0	2.4	2.9	9.1	2.0	1.6	1.87
TOLEDO																
SITE 01	66	26	.3	.5	.8	1.0	1.1	1.2	1.5	2.0	2.4	3.2	6.7	1.7	1.3	2.10
	67	26	.4	.6	1.2	1.3	1.4	1.7	2.1	2.7	3.9	4.5	6.4	2.3	1.8	2.05
	66 67	52	.3	.6	.9	1.1	1.3	1.4	1.9	2.2	3.1	4.0	6.7	2.0	1.6	2.07
YOUNGSTOWN																
SITE 01	66	26	.6	.9	1.5	1.6	1.8	1.9	2.2	2.4	3.5	4.4	6.3	2.4	2.0	1.80
	67	26	.8	1.0	1.3	1.5	1.8	1.8	2.0	2.5	2.5	4.1	5.7	2.1	1.9	1.58
	66 67	52	.6	1.0	1.4	1.6	1.8	1.9	2.1	2.4	2.6	4.1	6.3	2.3	1.9	1.69
OKLAHOMA																
OKLAHOMA CITY																
SITE 01	66	26	.3	.4	1.1	1.3	1.5	1.7	2.0	2.4	2.5	3.0	4.2	1.8	1.5	1.96
	67	25	.7	.9	1.1	1.3	1.3	1.5	1.6	1.9	1.9	2.7	3.1	1.7	1.5	1.48
	66 67	51	.3	.9	1.1	1.3	1.5	1.6	1.7	2.0	2.4	2.9	4.2	1.8	1.5	1.74
TULSA																
SITE 01	66	25	.2	.6	.9	1.1	1.3	1.4	1.5	1.9	2.0	2.4	3.0	1.5	1.3	1.83
	67	25	.2	.4	1.0	1.2	1.2	1.4	1.4	1.5	1.7	2.1	3.3	1.4	1.2	1.95
	66 67	50	.2	.4	1.0	1.1	1.3	1.4	1.5	1.6	1.9	2.2	3.3	1.5	1.2	1.89
OREGON																
EUGENE																
SITE 01	67	24	.2	.3	.4	.6	.6	.6	.8	1.0	1.9	2.1	3.3	1.0	.8	2.07
MEDFORD																
SITE 01	67	26	.2	.3	.8	.8	1.0	1.3	1.5	2.0	2.3	5.0	6.9	1.8	1.3	2.40
PORTLAND																
SITE 01	66	22	.2	.8	1.4	1.4	1.6	2.1	2.9	3.2	4.8	7.1	11.8	3.2	2.2	2.54
	67	26	.8	1.0	2.7	3.1	3.4	3.7	4.1	4.5	4.7	5.3	6.3	3.6	3.2	1.76
	66 67	48	.2	.8	1.4	2.1	2.9	3.1	3.7	4.4	4.8	5.5	11.8	3.4	2.6	2.16
PENNSYLVANIA																
ALLENTOWN																
SITE 01	67	25	.4	.6	1.1	2.3	2.6	2.9	3.1	3.7	4.3	5.2	11.9	3.3	2.5	2.26
ALTOONA																
SITE 01	67	25	.4	.7	.9	1.3	1.5	1.8	1.9	2.2	2.4	3.2	5.1	1.9	1.6	1.78

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
BETHLEHEM SITE 01	67	25	.4	1.0	1.3	1.9	2.1	3.3	3.6	4.9	6.0	8.8	12.9	3.9	2.9	2.29
ERIE SITE 01	67	26	.3	.7	.9	1.2	1.4	1.4	1.9	2.2	2.4	2.5	3.8	1.7	1.4	1.81
LANCASTER SITE 01	66	26	.3	.4	.7	.8	.9	1.0	1.1	1.3	1.6	2.2	4.2	1.2	1.0	1.89
	67	24	.3	.4	.5	.9	1.4	1.6	2.0	2.6	3.1	6.0	18.8	2.7	1.5	2.85
	66 67	50	.3	.4	.6	.8	1.0	1.1	1.4	1.8	2.5	3.3	18.8	2.0	1.3	2.38
PHILADELPHIA SITE 01	66	24	.5	.9	1.5	1.8	1.9	2.0	2.2	2.4	2.7	2.9	3.6	2.1	1.9	1.59
	67	25	.2	.6	.7	1.0	1.4	1.5	1.6	1.6	2.2	4.4	7.5	1.8	1.4	2.21
	66 67	49	.2	.6	.9	1.4	1.6	1.7	2.0	2.2	2.5	3.5	7.5	2.0	1.6	1.91
PITTSBURGH SITE 01	66	26	.8	1.0	1.0	1.1	1.3	1.7	2.1	3.2	3.7	3.9	4.6	2.1	1.8	1.78
	67	25	.4	.8	1.3	1.4	1.6	1.8	1.8	2.0	2.6	3.4	4.8	2.0	1.7	1.74
	66 67	51	.4	.9	1.1	1.3	1.6	1.7	2.0	2.1	3.2	3.9	4.8	2.1	1.8	1.76
READING SITE 01	66	25	.3	.9	1.2	1.2	1.4	1.8	2.0	2.1	2.8	3.4	9.4	2.1	1.7	1.92
	67	25	.2	.4	.9	1.0	1.0	1.3	1.4	2.2	2.6	6.8	21.6	2.8	1.5	2.83
	66 67	50	.2	.5	1.0	1.1	1.2	1.4	1.9	2.1	2.8	3.8	21.6	2.5	1.6	2.38
SCRANTON SITE 01	67	23	.3	.5	.5	.6	.9	1.0	1.5	2.0	2.5	3.4	6.5	1.7	1.2	2.33
WARMINSTER SITE 01	66	25	.2	.3	.4	.5	.6	.7	.8	1.0	1.2	1.5	2.9	.9	.7	1.90
	67	23	.2	.3	.4	.5	.6	.7	.9	1.2	1.3	2.0	2.2	.9	.7	1.93
	66 67	48	.2	.3	.4	.5	.6	.7	.9	1.2	1.3	1.9	2.9	.9	.7	1.92
WEST CHESTER SITE 01	67	26	.1	.2	.2	.4	.5	.6	.8	1.1	1.1	1.6	1.9	.8	.6	2.32
YORK SITE 01	67	26	.4	.7	.9	1.1	1.5	1.7	2.3	2.9	3.5	5.5	8.8	2.5	1.9	2.21
PUERTO RICO BAYAMON SITE 01	66	26	.1	.2	.4	.5	.5	.5	.6	.6	.7	.9	1.8	.6	.5	1.77
	67	25	.5	.7	.7	.7	.7	.8	.9	1.0	1.0	1.5	2.0	.9	.9	1.38
	66 67	51	.1	.4	.5	.6	.6	.7	.7	.8	1.0	1.1	2.0	.8	.7	1.59
CATANO SITE 01	66	24	.0	.0	.0	.2	.3	.3	.4	.6	1.0	1.3	2.4	.5	.3	2.68
GUAYANILLA SITE 01	66	25	.1	.1	.2	.2	.2	.2	.2	.3	.4	.5	.9	.3	.2	1.70
	67	23	.1	.2	.4	.4	.5	.6	.6	.8	.8	.9	.9	.6	.5	1.87
	66 67	48	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	.9	.5	.3	1.79
PONCE SITE 01	66	26	.0	.1	.2	.2	.3	.3	.4	.4	.4	.9	1.6	.4	.3	2.03
	67	24	.1	.5	.5	.6	.6	.7	.7	.9	1.1	1.4	1.7	.8	.7	1.75
	66 67	50	.0	.1	.2	.3	.4	.5	.6	.7	.9	1.1	1.7	.6	.5	1.90
RHODE ISLAND EAST PROVIDENCE SITE 01	67	26	.1	.2	.4	.5	.5	.5	.6	1.1	1.3	2.2	4.1	.9	.6	2.38
PROVIDENCE SITE 01	66	24	.3	.4	.5	.6	.7	1.3	1.4	1.6	1.8	2.0	4.8	1.3	1.0	1.99
	67	23	.2	.3	.4	.6	.8	.9	1.0	1.4	1.6	2.1	4.4	1.1	.9	2.15
	66 67	47	.2	.3	.5	.6	.8	.9	1.3	1.4	1.7	2.1	4.8	1.2	.9	2.07
SOUTH CAROLINA COLUMBIA SITE 01	66	23	.1	.2	.6	.7	1.1	1.2	1.2	1.4	1.6	1.9	2.6	1.2	.9	2.24
	67	26	.2	.2	.7	.9	1.0	1.1	1.2	1.4	1.8	2.4	3.7	1.2	1.0	2.11
	66 67	49	.1	.2	.6	.9	1.1	1.2	1.2	1.4	1.8	2.1	3.7	1.2	1.0	2.17
GREENVILLE SITE 01	66	26	.1	.2	.2	.3	.5	.7	1.0	1.3	1.8	2.4	2.4	1.0	.6	2.71
SOUTH DAKOTA SIOUX FALLS SITE 01	66	26	.1	.4	.6	.7	.8	1.1	1.2	1.3	1.4	1.7	2.4	1.0	.9	2.01
TENNESSEE CHATTANOOGA SITE 01	66	23	1.0	1.3	1.5	1.6	1.7	1.9	2.2	2.3	2.6	2.8	3.5	2.0	1.9	1.37
	67	22	.4	1.0	1.2	1.4	1.7	2.1	2.2	2.4	3.0	3.2	5.9	2.1	1.8	1.82
	66 67	45	.4	1.1	1.3	1.6	1.7	2.1	2.2	2.3	2.6	3.2	5.9	2.1	1.9	1.61

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³														Std geo dev
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean		
KNOXVILLE																	
SITE 01	67	24	.5	.8	.8	1.1	1.1	1.3	1.5	1.7	2.1	2.6	2.8	1.5	1.3	1.59	
MEMPHIS																	
SITE 01	66	26	.4	.6	1.2	1.3	1.7	1.8	2.1	2.4	2.5	2.7	6.0	1.9	1.7	1.84	
	67	26	.6	.9	1.1	1.2	1.4	1.5	1.6	1.9	2.8	3.1	6.3	1.9	1.6	1.71	
	66 67	52	.4	.9	1.1	1.3	1.5	1.7	1.9	2.3	2.6	3.0	6.3	1.9	1.6	1.78	
NASHVILLE																	
SITE 01	66	24	.7	.8	.9	1.1	1.4	2.3	2.6	2.8	3.3	3.7	4.4	2.2	1.8	1.85	
	67	25	.5	.8	1.1	1.3	1.6	1.7	1.7	2.7	2.8	3.1	4.7	2.0	1.7	1.77	
	66 67	49	.5	.8	1.1	1.2	1.6	1.7	2.3	2.7	2.9	3.7	4.7	2.1	1.8	1.81	
TEXAS																	
DALLAS																	
SITE 01	66	24	.4	.8	1.1	1.4	1.4	1.5	1.8	2.0	2.5	3.0	3.8	1.8	1.6	1.72	
HOUSTON																	
SITE 01	66	26	.7	1.2	1.6	1.8	1.9	1.9	2.1	2.5	2.9	6.6	7.2	2.6	2.2	1.78	
	67	26	.7	1.0	1.4	1.9	2.1	2.4	3.1	3.6	4.8	7.2	9.1	3.2	2.6	2.00	
	66 67	52	.7	1.0	1.6	1.8	1.9	2.1	2.5	3.1	4.6	6.6	9.1	2.9	2.4	1.89	
PASADENA																	
SITE 01	67	24	.4	.9	1.0	1.1	1.2	1.3	1.7	1.9	2.3	3.2	4.0	1.7	1.5	1.72	
SAN ANTONIO																	
SITE 01	66	25	.9	1.2	1.4	1.4	1.7	1.8	1.9	2.1	2.3	2.7	3.5	1.9	1.8	1.40	
	67	25	.8	1.1	1.2	1.6	1.8	2.0	2.6	3.3	4.7	5.3	7.2	2.7	2.2	1.88	
	66 67	50	.8	1.1	1.2	1.4	1.7	1.9	2.1	2.5	2.7	4.7	7.2	2.3	2.0	1.66	
UTAH																	
OGDEN																	
SITE 01	66	24	.4	.4	.5	.6	.6	.7	.9	1.0	1.8	2.4	3.4	1.1	.9	1.88	
SALT LAKE CITY																	
SITE 01	66	24	.3	.6	.8	.9	1.0	1.0	1.2	1.5	2.0	2.4	3.5	1.4	1.2	1.76	
	67	25	.4	.6	.6	.7	.9	1.0	1.1	1.2	1.2	1.6	2.7	1.0	1.0	1.51	
	66 67	49	.3	.6	.7	.8	1.0	1.0	1.1	1.2	1.6	2.3	3.5	1.2	1.1	1.64	
VERMONT																	
BURLINGTON																	
SITE 01	66	25	.2	.3	.5	.6	.8	.9	1.1	1.3	1.7	2.1	2.6	1.1	.9	2.09	
VIRGINIA																	
DANVILLE																	
SITE 01	66	23	.2	.6	.8	1.0	1.3	1.6	1.7	2.0	2.3	2.6	3.0	1.5	1.3	2.06	
HAMPTON																	
SITE 01	67	26	.3	.4	.6	.8	.9	.9	1.2	1.6	1.7	1.9	4.2	1.2	1.0	1.88	
LYNCHBURG																	
SITE 01	67	26	.4	.6	.8	1.0	1.3	1.6	1.8	1.9	2.4	3.1	3.2	1.6	1.4	1.81	
NORFOLK																	
SITE 01	66	26	.3	.5	.9	1.1	1.4	1.4	1.8	1.9	2.3	2.8	4.4	1.7	1.4	1.86	
	67	25	.4	1.0	1.1	1.5	1.6	1.8	1.9	2.3	2.4	2.8	5.4	1.9	1.7	1.67	
	66 67	51	.3	.8	1.1	1.3	1.5	1.7	1.8	2.0	2.4	2.8	5.4	1.8	1.6	1.77	
PORTSMOUTH																	
SITE 01	67	26	.3	.7	.9	1.2	1.3	1.6	1.8	2.0	2.1	2.8	4.0	1.7	1.5	1.77	
RICHMOND																	
SITE 01	67	26	.2	.4	.6	.7	.8	1.0	1.2	1.5	1.8	2.5	2.8	1.2	1.0	1.98	
ROANOKE																	
SITE 01	67	25	.2	.3	.5	.9	1.1	1.4	1.5	1.8	2.3	2.6	3.0	1.4	1.1	2.20	
WASHINGTON																	
SEATTLE																	
SITE 01	66	26	.5	.7	.7	1.1	1.2	1.3	1.7	1.8	1.9	2.2	2.5	1.4	1.3	1.62	
	67	26	.6	.7	1.1	1.2	1.2	1.4	1.9	2.2	2.5	3.3	3.6	1.7	1.5	1.67	
	66 67	52	.5	.7	.9	1.2	1.2	1.4	1.8	1.9	2.2	2.5	3.6	1.6	1.4	1.64	
WEST VIRGINIA																	
CHARLESTON																	
SITE 01	66	22	.3	.4	.6	.6	.7	.8	1.0	1.4	1.6	2.3	2.8	1.1	.9	1.93	
	67	26	.2	.5	.9	1.0	1.1	1.3	1.4	1.6	1.7	2.4	4.8	1.5	1.2	1.98	
	66 67	48	.2	.4	.6	.8	1.0	1.0	1.3	1.5	1.7	2.4	4.8	1.3	1.0	1.96	
WISCONSIN																	
KENOSHA																	
SITE 01	67	26	.3	.7	.8	1.0	1.0	1.2	1.6	1.9	2.1	2.7	5.6	1.6	1.3	1.82	

*Data contributed by state or local agency.

Table 4-5 (continued). NITRATES, URBAN FREQUENCY DISTRIBUTIONS

LOCATION	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
WISCONSIN																
MADISON																
SITE 01	67	26	.5	.6	.7	.8	.9	1.0	1.2	1.5	2.0	2.4	7.9	1.5	1.2	1.88
MILWAUKEE																
SITE 01	66	26	.4	.5	.8	1.2	1.5	1.7	2.1	2.6	2.9	5.6	6.5	2.2	1.6	2.22
	67	26	.5	.6	1.0	1.3	1.7	2.0	2.6	2.8	3.4	4.0	8.2	2.4	1.9	2.04
	66 67	52	.4	.6	.9	1.3	1.6	1.9	2.3	2.8	2.9	4.0	8.2	2.3	1.8	2.13
WYOMING																
CASPER																
SITE 01	67	26	.3	.3	.4	.4	.5	.5	.5	.7	.7	.8	1.1	.5	.5	1.45
CHEYENNE																
SITE 01	66	26	.1	.2	.4	.5	.6	.6	.8	.9	1.0	1.1	1.1	.7	.6	1.84
	67	24	.3	.3	.3	.6	.6	.7	.7	.9	1.1	1.3	1.6	.7	.7	1.67
	66 67	50	.1	.3	.4	.5	.6	.7	.7	.9	1.0	1.1	1.6	.7	.6	1.76

*Data contributed by state or local agency.

Table 4-6. NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	66	25	.0	.0	.1	.2	.3	.4	.5	.6	.7	.9	1.0	.4	.3	2.28
	67	25	.0	.1	.1	.2	.4	.5	.6	.8	.8	1.1	1.3	.5	.4	2.40
	66 67	50	.0	.0	.1	.2	.3	.5	.5	.7	.8	.9	1.3	.5	.4	2.34
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	66	25	.0	.0	.1	.2	.2	.4	.5	1.0	1.0	1.3	1.7	.6	.4	2.79
	67	25	.0	.1	.2	.2	.3	.5	.5	.6	.7	1.1	1.7	.5	.4	2.19
	66 67	50	.0	.1	.1	.2	.3	.4	.5	.6	1.0	1.1	1.7	.6	.4	2.49
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	66	24	.0	.0	.0	.1	.1	.2	.4	.4	.5	.6	1.7	.3	.2	2.47
	67	25	.0	.0	.1	.2	.3	.5	.5	.6	.6	1.2	2.4	.5	.4	2.48
	66 67	49	.0	.0	.0	.1	.2	.4	.4	.5	.6	1.2	2.4	.4	.3	2.48
COLORADO																
MESA VERDE NAT PK																
SITE 01	66	25	.1	.2	.2	.3	.4	.4	.4	.5	.6	.7	1.0	.4	.4	1.68
	67	24	.0	.1	.2	.3	.4	.4	.5	.6	.6	.7	.8	.4	.3	2.00
	66 67	49	.0	.1	.2	.3	.4	.4	.5	.6	.6	.7	1.0	.4	.4	1.84
DELAWARE																
KENT COUNTY																
SITE 01	66	25	.0	.2	.3	.4	.4	.7	.7	.8	1.0	1.2	1.7	.7	.5	2.17
	67	25	.1	.3	.3	.4	.5	.6	.6	.8	1.1	1.4	2.9	.8	.6	2.08
	66 67	50	.0	.2	.3	.4	.5	.6	.7	.8	1.1	1.2	2.9	.8	.6	2.12
IDAHO																
BUTTE COUNTY																
SITE 01	67	25	.1	.1	.1	.2	.2	.3	.4	.5	.6	.8	.9	.4	.3	2.16
INDIANA																
MONROE COUNTY																
SITE 01	66	22	.0	.0	.1	.2	.2	.3	.3	.4	.4	.7	.8	.3	.2	1.99
	67	24	.1	.1	.2	.2	.3	.4	.4	.5	.6	.9	1.6	.4	.3	2.15
	66 67	46	.0	.1	.1	.2	.3	.3	.4	.4	.5	.8	1.6	.4	.3	2.07
PARKE COUNTY																
SITE 01	66	25	.2	.3	.4	.5	.6	.8	.8	.9	1.1	1.6	2.1	.8	.7	1.81
	67	21	.1	.1	.2	.3	.3	.3	.4	.5	.9	1.0	1.3	.5	.4	2.26
	66 67	46	.1	.2	.3	.3	.4	.5	.8	.9	1.0	1.3	2.1	.7	.5	2.04
IOWA																
DELAWARE COUNTY																
SITE 01	66	23	.2	.2	.4	.4	.8	.9	1.0	1.4	1.5	1.9	3.3	1.0	.8	2.29
MAINE																
ACADIA NAT PK																
SITE 01	66	24	.1	.2	.3	.4	.5	.5	.9	1.2	1.6	2.4	3.0	1.0	.7	2.49
	67	20	.0	.0	.1	.3	.4	.7	.9	1.0	1.3	2.4	3.0	.9	.6	3.14
	66 67	44	.0	.1	.3	.4	.5	.6	.9	1.1	1.6	2.4	3.0	1.0	.6	2.81
MARYLAND																
CALVERT COUNTY																
SITE 01	66	25	.1	.2	.3	.5	.8	1.0	1.0	1.2	1.2	1.8	2.8	1.0	.8	2.30
	67	26	.0	.1	.1	.2	.3	.4	.6	.7	.7	1.3	1.8	.5	.4	2.57
	66 67	51	.0	.1	.2	.3	.5	.6	.8	1.0	1.2	1.4	2.8	.8	.5	2.44
MISSISSIPPI																
JACKSON COUNTY																
SITE 01	66	26	.1	.1	.2	.3	.4	.6	.7	.9	1.1	1.8	2.8	.8	.5	2.56
	67	25	.0	.1	.1	.2	.2	.5	.6	.7	.9	1.1	2.1	.5	.4	2.63
	66 67	51	.0	.1	.2	.2	.3	.5	.7	.8	1.0	1.4	2.8	.7	.4	2.60
MISSOURI																
SHANNON COUNTY																
SITE 01	66	24	.1	.1	.1	.2	.4	.5	.5	.8	1.0	1.2	1.3	.5	.4	2.56
	67	24	.0	.1	.2	.4	.6	.6	.9	1.0	1.5	1.7	1.8	.8	.6	2.67
	66 67	48	.0	.1	.1	.3	.5	.5	.7	.9	1.2	1.5	1.8	.7	.5	2.61
MONTANA																
GLACIER NAT PK																
SITE 01	66	24	.0	.0	.0	.1	.1	.1	.2	.2	.2	.2	.3	.1	.1	1.50
	67	25	.0	.0	.0	.0	.0	.0	.1	.1	.1	.3	.5	.1	.1	1.64
	66 67	49	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.5	.1	.1	1.57
NEBRASKA																
THOMAS COUNTY																
SITE 01	66	26	.1	.2	.3	.3	.4	.4	.5	.7	.8	1.3	1.7	.6	.4	1.98
	67	25	.1	.1	.1	.2	.2	.3	.3	.4	.6	.8	.9	.4	.3	2.14
	66 67	51	.1	.1	.2	.3	.3	.4	.4	.5	.7	.9	1.7	.5	.3	2.06
NEVADA																
WHITE PINE COUNTY																
SITE 01	66	22	.0	.1	.1	.1	.1	.3	.3	.3	.4	.5	1.0	.3	.2	2.06
	67	23	.0	.0	.0	.0	.1	.1	.2	.2	.3	.6	.8	.2	.2	2.02
	66 67	45	.0	.0	.0	.1	.1	.2	.2	.3	.3	.6	1.0	.3	.2	2.04

*Data contributed by state or local agency.

Table 4-6 (continued). NITRATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
NEW HAMPSHIRE																
COOS COUNTY																
SITE 01	66	26	.1	.2	.3	.3	.3	.4	.5	.7	.8	1.0	1.3	.5	.4	2.02
	67	26	.0	.0	.1	.1	.2	.2	.2	.2	.3	.4	.7	.2	.2	1.74
	66 67	52	.0	.1	.1	.2	.2	.3	.3	.4	.7	.8	1.3	.4	.3	1.89
NEW MEXICO																
RIO ARRIBA COUNTY																
SITE 01	66	24	.1	.1	.2	.2	.2	.3	.3	.3	.4	.5	.6	.3	.3	1.66
	67	23	.1	.1	.1	.2	.2	.3	.3	.4	.5	.6	.6	.3	.2	1.92
	66 67	47	.1	.1	.2	.2	.2	.3	.3	.4	.4	.5	.6	.3	.3	1.79
NEW YORK																
JEFFERSON COUNTY																
SITE 01	66	26	.1	.2	.2	.3	.4	.5	.7	.8	.8	1.1	2.3	.6	.5	2.19
	67	26	.1	.2	.2	.2	.3	.4	.5	.6	.7	1.0	1.3	.5	.4	2.02
	66 67	52	.1	.2	.2	.3	.3	.4	.6	.7	.8	1.0	2.3	.6	.4	2.11
NORTH CAROLINA																
CAPE HATTERAS																
SITE 01	66	23	.3	.5	.6	.6	.7	.9	1.0	1.3	1.4	2.2	2.9	1.1	.9	1.81
	67	23	.2	.5	.5	.6	.7	.9	1.3	1.5	2.2	2.7	3.1	1.2	1.0	2.04
	66 67	46	.2	.5	.6	.6	.7	.9	1.0	1.4	1.7	2.7	3.1	1.2	1.0	1.93
OKLAHOMA																
CHEROKEE COUNTY																
SITE 01	66	26	.1	.1	.2	.2	.5	.6	.7	.9	1.1	1.3	1.6	.6	.4	2.58
	67	25	.1	.1	.2	.2	.4	.5	.8	.8	.9	1.4	1.6	.6	.4	2.49
	66 67	51	.1	.1	.2	.2	.4	.6	.7	.8	1.0	1.3	1.6	.6	.4	2.54
OREGON																
CLARK COUNTY																
SITE 01	66	24	.0	.0	.0	.1	.1	.1	.2	.2	.3	.3	.6	.2	.2	1.73
	67	25	.0	.0	.0	.1	.1	.2	.3	.3	.4	.7	1.3	.3	.2	2.25
	66 67	49	.0	.0	.0	.1	.1	.1	.2	.3	.3	.5	1.3	.3	.2	2.00
PENNSYLVANIA																
CLARION COUNTY																
SITE 01	66	24	.1	.1	.1	.1	.2	.2	.2	.3	.4	.5	.7	.2	.2	1.89
	67	24	.1	.1	.1	.2	.2	.3	.4	.4	.4	.7	1.7	.4	.3	2.14
	66 67	48	.1	.1	.1	.2	.2	.2	.3	.4	.4	.5	1.7	.3	.2	2.02
RHODE ISLAND																
WASHINGTON COUNTY																
SITE 01	66	23	.1	.2	.2	.2	.3	.4	.5	.6	.7	1.0	2.8	.6	.4	2.33
	67	24	.1	.1	.1	.2	.2	.4	.8	.8	1.0	1.3	1.5	.6	.4	2.72
	66 67	47	.1	.1	.2	.2	.2	.4	.5	.7	.9	1.3	2.8	.6	.4	2.53
SOUTH CAROLINA																
RICHLAND COUNTY																
SITE 01	66	26	.1	.1	.2	.2	.3	.4	.7	.9	.9	1.4	1.8	.6	.4	2.45
	67	25	.1	.1	.2	.3	.5	.7	.7	.8	.8	1.4	1.8	.7	.5	2.37
	66 67	51	.1	.1	.2	.3	.4	.6	.7	.8	.9	1.4	1.8	.7	.5	2.41
SOUTH DAKOTA																
BLACK HILLS NAT FOR																
SITE 01	66	25	.1	.1	.1	.2	.2	.2	.3	.4	.4	.6	.9	.3	.2	1.96
	67	25	.0	.2	.2	.3	.3	.3	.4	.4	.4	.6	.7	.3	.3	1.64
	66 67	50	.0	.1	.2	.2	.2	.3	.3	.4	.4	.6	.9	.3	.3	1.81
TEXAS																
MATAGORDA COUNTY																
SITE 01	66	23	.1	.2	.3	.3	.4	.5	.5	.8	1.0	1.2	1.8	.6	.5	2.08
	67	25	.2	.5	.6	.7	.8	.9	.9	1.1	1.3	1.7	2.3	1.0	.9	1.73
	66 67	48	.1	.2	.3	.5	.6	.7	.8	1.0	1.2	1.7	2.3	.8	.6	1.91
VERMONT																
ORANGE COUNTY																
SITE 01	66	26	.0	.1	.1	.2	.3	.3	.4	.5	.6	1.3	1.4	.4	.3	2.38
	67	25	.1	.1	.1	.1	.2	.2	.3	.4	.4	.7	1.0	.3	.2	2.22
	66 67	51	.0	.1	.1	.1	.2	.3	.4	.4	.6	.7	1.4	.4	.3	2.30
VIRGINIA																
SHENANDOAH NAT PK																
SITE 01	66	25	.2	.2	.2	.3	.3	.4	.5	.5	.7	1.4	1.4	.6	.4	1.94
	67	26	.0	.0	.1	.1	.2	.2	.4	.6	.7	.9	1.1	.4	.3	2.55
	66 67	51	.0	.1	.2	.2	.3	.3	.5	.6	.7	1.1	1.4	.5	.3	2.25
WISCONSIN																
DOOR COUNTY																
SITE 01	67	20	.1	.1	.1	.3	.3	.4	.5	.6	.8	.9	1.9	.6	.4	2.43
WYOMING																
YELLOWSTONE PARK																
SITE 01	66	25	.0	.0	.0	.1	.1	.2	.2	.4	.4	.5	.7	.2	.2	2.03
	67	26	.0	.0	.1	.1	.2	.3	.3	.3	.4	.5	.6	.3	.2	1.84
	66 67	51	.0	.0	.0	.1	.2	.2	.3	.3	.4	.5	.7	.3	.2	1.94

*Data contributed by state or local agency.

Table 4-7. SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3														Std geo dev
				Frequency distribution - percentile													
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean		
ALABAMA																	
BIRMINGHAM																	
SITE 01	66	25	2.6	5.3	5.6	6.7	5.2	8.7	9.4	10.6	11.6	13.1	20.1	9.0	8.3	1.57	
GADSDEN																	
SITE 01	66	26	2.1	2.9	4.2	5.0	5.1	6.0	6.6	7.2	7.5	8.5	19.9	6.4	5.7	1.62	
HUNTSVILLE																	
SITE 01	67	26	1.9	3.2	4.4	5.1	5.5	5.9	7.2	8.2	8.4	12.4	21.7	7.4	6.4	1.73	
MOBILE																	
SITE 01	66	26	3.2	3.6	4.6	5.0	6.6	7.1	7.9	8.5	10.7	13.9	26.4	8.1	7.0	1.67	
MONTGOMERY																	
SITE 01	67	26	2.3	3.2	3.6	4.8	5.7	5.8	6.8	8.0	9.1	11.4	45.7	8.2	6.4	1.86	
ALASKA																	
ANCHORAGE																	
SITE 02	66	20	1.2	1.2	1.7	1.9	2.1	2.5	2.5	2.8	2.8	3.4	3.8	2.4	2.3	1.39	
FAIRBANKS																	
SITE 01	67	23	.6	.8	.9	1.1	1.4	1.6	1.9	2.1	3.1	3.3	5.9	1.9	1.8	1.78	
ARIZONA																	
MARICOPA COUNTY																	
SITE 01	66	26	1.5	2.2	2.6	2.8	3.2	3.4	3.8	4.1	4.9	5.9	16.7	4.1	3.6	1.58	
	67	26	.2	.6	.8	1.0	1.3	1.4	1.9	2.2	2.8	3.9	13.4	2.2	1.5	2.26	
	66 67	52	.2	.8	1.3	1.7	2.2	2.6	3.1	3.5	4.0	5.2	16.7	3.2	2.4	1.94	
PHOENIX																	
SITE 02	66	24	1.6	2.3	2.5	3.2	3.4	3.8	4.6	5.2	6.7	7.0	14.8	4.6	4.0	1.67	
	67	26	.8	.9	1.4	1.6	2.0	2.4	2.7	3.5	3.8	6.0	16.0	3.3	2.5	2.05	
	66 67	50	.8	1.2	1.8	2.3	2.6	3.2	3.7	4.0	5.2	7.0	16.0	4.0	3.1	1.87	
TUCSON																	
SITE 01	66	25	1.6	1.9	2.2	3.1	3.3	3.4	4.0	4.1	4.5	5.8	7.2	3.7	3.5	1.50	
	67	24	.5	.8	1.2	1.5	1.5	1.8	1.8	2.7	3.4	5.6	6.4	2.4	1.9	1.95	
	66 67	49	.5	1.2	1.5	1.8	2.2	2.9	3.4	4.0	4.5	5.8	7.2	3.1	2.6	1.73	
ARKANSAS																	
LITTLE ROCK																	
SITE 01	66	26	2.3	3.4	4.2	4.6	6.1	6.7	7.4	8.2	9.7	10.2	14.4	6.9	6.3	1.55	
	67	25	.6	1.6	1.9	2.1	2.4	4.2	4.4	5.2	6.4	8.5	9.4	4.2	3.5	1.96	
	66 67	51	.6	2.0	2.4	4.0	4.4	5.2	6.4	7.0	8.2	9.7	14.4	5.6	4.7	1.76	
WEST MEMPHIS																	
SITE 01	66	25	1.8	2.2	3.7	4.5	5.1	5.8	6.5	7.7	8.1	12.7	12.7	6.5	5.7	1.73	
CALIFORNIA																	
BURBANK																	
SITE 02	66	26	2.2	3.1	3.2	3.8	6.4	7.0	10.7	13.5	14.5	21.4	23.0	9.4	7.5	2.04	
GLENDALE																	
SITE 01	67	26	1.2	2.0	2.7	4.7	5.5	8.8	11.2	15.7	20.6	27.6	45.6	12.3	8.0	2.73	
LONG BEACH																	
SITE 01	67	25	2.3	5.2	5.9	8.2	9.4	10.7	12.4	14.6	21.4	26.0	34.4	13.4	11.0	1.94	
LOS ANGELES																	
SITE 01	66	26	1.3	1.8	4.1	5.1	6.2	7.0	8.0	9.8	12.7	13.9	21.4	8.0	6.4	2.12	
	67	25	2.0	2.6	4.2	5.4	6.9	8.8	10.6	11.8	17.7	28.9	53.6	12.1	8.7	2.29	
	66 67	51	1.3	2.2	4.2	5.3	6.9	7.8	9.4	11.8	13.3	17.8	53.6	10.1	7.4	2.20	
OAKLAND																	
SITE 01	66	25	3.7	4.0	4.1	4.4	5.3	6.0	6.5	8.1	9.1	16.5	18.8	7.6	6.7	1.65	
	67	25	2.0	3.2	3.8	4.2	4.8	5.7	6.4	9.0	10.5	15.6	20.8	7.5	6.3	1.85	
	66 67	50	2.0	3.7	4.1	4.3	5.3	5.7	6.5	8.4	10.5	15.6	20.8	7.6	6.5	1.75	
PASADENA																	
SITE 01	66	25	3.2	3.7	4.6	5.0	7.2	8.8	9.7	13.2	14.7	17.9	35.0	10.8	8.7	1.93	
SAN DIEGO																	
SITE 01	66	25	2.7	3.5	3.8	4.5	5.2	6.7	7.3	8.2	9.3	12.7	29.9	7.8	6.5	1.76	
	67	24	2.2	2.8	3.1	4.8	5.9	6.4	7.5	8.6	12.4	15.0	18.2	7.7	6.5	1.84	
	66 67	49	2.2	2.9	3.8	4.5	5.7	6.7	7.5	8.6	10.3	15.0	29.9	7.8	6.5	1.80	
SAN FRANCISCO																	
SITE 01	66	26	2.0	2.4	2.6	3.0	3.0	3.3	4.3	5.0	6.4	9.6	37.9	5.8	4.3	1.94	
	67	25	1.7	2.2	2.4	3.0	3.3	4.2	4.3	7.0	7.6	11.7	14.5	5.3	4.4	1.82	
	66 67	51	1.7	2.3	2.5	3.0	3.1	3.6	4.3	5.0	7.2	9.6	37.9	5.6	4.3	1.88	

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
COLORADO																
DENVER																
SITE 01	66	25	2.6	2.7	2.9	3.2	3.4	3.5	3.8	4.4	4.6	6.2	10.8	4.1	3.9	1.40
	67	26	1.6	2.0	2.2	2.4	2.8	3.2	3.3	3.7	3.9	4.4	5.2	3.2	3.0	1.36
	66 67	51	1.6	2.2	2.6	2.9	3.2	3.3	3.5	3.9	4.4	5.2	10.8	3.7	3.4	1.38
SITE 02	66	124	.0	.7	1.0	1.4	1.9	2.2	3.0	3.8	5.8	8.0	26.4	3.9	2.4	2.71
CONNECTICUT																
HARTFORD																
SITE 01	66	26	6.3	6.4	7.2	7.6	8.6	10.7	13.8	14.2	15.9	19.5	31.9	12.4	11.2	1.57
	67	26	3.9	5.6	6.7	9.7	11.8	13.2	18.1	20.6	22.2	24.8	31.5	15.0	12.9	1.82
	66 67	52	3.9	6.3	7.1	7.9	9.9	12.2	14.1	17.5	19.5	24.2	31.9	13.7	12.0	1.70
NEW HAVEN																
SITE 01	66	25	8.2	9.2	13.0	14.9	15.6	17.6	19.0	21.3	23.2	29.4	33.4	18.6	17.3	1.47
	67	26	4.4	5.3	10.1	11.3	15.6	17.2	18.1	25.4	25.7	28.0	33.8	17.7	15.3	1.81
	66 67	51	4.4	8.4	10.5	14.4	15.6	17.6	19.0	22.4	25.4	28.0	33.8	18.2	16.3	1.65
DELAWARE																
NEWARK																
SITE 01	66	25	6.1	6.8	8.0	10.7	11.8	13.2	13.8	14.8	17.4	21.3	41.9	14.2	12.9	1.55
	67	26	3.9	5.2	5.8	6.1	7.0	8.1	9.1	11.2	11.8	17.7	20.9	9.3	8.5	1.56
	66 67	51	3.9	5.8	6.5	7.7	9.1	10.7	11.8	13.3	14.8	18.0	41.9	11.8	10.4	1.55
WILMINGTON																
SITE 01	66	24	7.5	7.9	10.7	12.0	12.2	13.6	15.0	16.2	20.1	23.4	30.8	15.4	14.3	1.47
	67	21	5.5	9.9	10.8	12.4	13.1	14.8	15.2	17.2	18.3	19.1	28.1	14.7	13.9	1.42
	66 67	45	5.5	9.0	10.7	12.0	12.6	14.7	15.0	17.2	18.5	23.2	30.8	15.1	14.1	1.44
DC																
WASHINGTON																
SITE 01	66	25	7.1	7.7	8.1	8.3	8.5	9.8	10.2	11.8	13.9	16.0	26.1	11.0	10.4	1.37
	67	26	1.7	5.9	7.1	8.1	10.6	10.7	11.5	13.4	14.7	16.4	24.9	11.1	9.9	1.70
	66 67	51	1.7	7.1	7.9	8.3	8.9	10.3	11.0	12.4	14.1	16.0	26.1	11.1	10.2	1.55
SITE 02	66	135	4.4	8.3	9.8	10.8	12.3	14.4	16.5	19.3	23.0	31.9	57.0	17.2	15.0	1.69
GEORGIA																
ATLANTA																
SITE 01	66	23	2.8	3.5	4.2	5.2	6.7	7.4	8.8	10.0	10.6	11.5	24.5	8.1	7.1	1.70
	67	26	3.3	4.9	5.9	6.4	6.7	7.1	8.1	9.7	11.4	14.2	14.5	8.3	7.8	1.45
	66 67	49	2.8	3.6	5.2	6.0	6.7	7.3	8.6	9.7	11.4	14.0	24.5	8.2	7.4	1.58
HAWAII																
HONOLULU																
SITE 01	66	26	2.6	2.9	3.2	3.4	3.5	3.5	3.8	4.1	4.3	4.9	13.2	4.1	3.9	1.37
	67	26	2.0	2.1	2.2	2.2	2.6	2.7	3.1	3.2	3.3	3.7	5.3	2.9	2.8	1.28
	66 67	52	2.0	2.2	2.6	2.9	3.1	3.2	3.5	3.5	4.0	4.6	13.2	3.5	3.3	1.33
IDAHO																
BOISE																
SITE 01	66	25	1.2	1.5	1.7	1.9	2.0	2.2	2.4	2.7	2.9	3.9	9.8	2.6	2.4	1.54
	67	25	.5	.8	1.0	1.0	1.0	1.1	1.3	1.5	1.6	2.7	8.8	1.6	1.3	1.75
	66 67	50	.5	1.0	1.0	1.2	1.5	1.7	1.9	2.2	2.7	3.2	9.8	2.1	1.8	1.65
ILLINOIS																
CHICAGO																
SITE 01	66	26	2.8	5.0	7.3	8.5	10.3	11.1	12.3	12.5	16.5	18.5	24.2	11.5	10.4	1.63
	67	26	2.8	4.0	5.6	6.5	11.2	12.2	14.9	16.7	18.1	20.2	22.4	12.4	10.5	1.87
	66 67	52	2.8	5.0	6.3	8.3	10.9	11.8	12.5	15.5	18.0	20.0	24.2	12.0	10.5	1.76
SITE 02	66	117	1.8	5.4	8.3	10.7	13.1	15.9	17.8	20.4	23.7	33.5	53.5	17.5	14.3	1.97
EAST ST LOUIS																
SITE 01	67	23	3.0	6.8	8.9	9.1	9.7	10.8	11.6	12.9	13.6	16.1	19.8	11.2	10.4	1.49
ROCKFORD																
SITE 01	67	26	2.6	2.9	4.5	5.1	5.9	7.0	8.0	8.8	9.6	14.4	21.0	8.0	6.9	1.73
ILLINOIS																
SPRINGFIELD																
SITE 01	67	23	1.7	4.3	5.1	5.3	6.1	6.5	6.8	8.1	8.9	11.2	14.0	7.0	6.4	1.56
INDIANA																
EAST CHICAGO																
SITE 01	66	26	6.6	8.9	12.1	13.7	15.3	16.0	16.9	19.1	24.1	26.6	28.4	17.0	15.8	1.48
	67	25	8.0	9.1	9.4	11.6	13.4	13.9	15.4	19.6	21.4	23.4	31.6	15.8	14.7	1.47
	66 67	51	6.6	9.1	10.6	13.2	13.9	15.4	16.7	19.1	21.8	26.4	31.6	16.4	15.3	1.48
HAMMOND																
SITE 01	66	24	5.5	8.1	10.1	11.4	12.0	13.4	15.6	17.7	24.2	30.7	33.9	16.5	14.6	1.66
	67	22	5.1	6.3	8.7	9.0	9.9	10.6	12.0	14.0	16.8	19.6	36.8	12.7	11.4	1.59
	66 67	46	5.1	6.3	9.0	10.0	11.1	12.0	13.8	16.8	19.6	28.1	36.8	14.6	12.9	1.63
INDIANAPOLIS																
SITE 01	66	25	5.4	7.1	8.2	10.2	10.5	13.8	13.9	14.6	15.4	25.5	43.3	14.7	12.9	1.66
	67	22	1.7	8.3	8.6	9.0	9.9	12.3	13.0	13.6	15.6	16.9	27.1	12.2	11.0	1.70
	66 67	47	1.7	7.1	8.4	9.5	10.5	12.9	13.8	14.1	15.6	24.7	43.3	13.5	11.9	1.68

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev'
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
MUNCIE																
SITE 01	66	24	4.2	4.5	6.0	6.7	7.2	7.7	9.8	13.6	15.0	17.4	29.1	10.5	9.1	1.70
	67	22	2.9	5.1	6.1	6.3	7.1	7.3	8.5	9.3	9.9	11.5	12.8	7.9	7.5	1.43
	66 67	46	2.9	4.5	6.1	6.4	7.2	7.7	8.7	9.9	12.8	15.0	29.1	9.2	8.3	1.57
NEW ALBANY																
SITE 02	66	24	2.1	7.0	8.1	12.2	13.3	13.9	16.5	17.9	20.4	21.2	34.9	14.8	12.9	1.78
SOUTH BEND																
SITE 01	66	24	3.6	4.9	5.9	6.9	8.3	9.8	12.3	13.8	15.9	19.6	31.6	11.7	9.9	1.80
	67	24	2.9	4.3	5.1	5.7	7.0	7.1	8.4	10.7	13.0	17.5	27.2	9.3	8.0	1.73
	66 67	48	2.9	4.3	5.2	6.7	7.1	8.3	9.8	12.4	14.0	18.1	31.6	10.5	8.9	1.76
TERRE HAUTE																
SITE 01	67	22	4.3	5.3	5.6	6.2	6.7	7.8	8.9	9.5	10.2	12.4	19.8	8.4	7.8	1.45
IOWA																
CEDAR RAPIDS																
SITE 01	67	25	.0	3.5	4.1	4.8	5.1	5.8	6.3	7.3	7.8	11.5	13.4	6.4	5.2	2.50
DAVENPORT																
SITE 01	66	25	3.3	3.9	4.3	4.9	5.5	6.1	6.7	8.6	9.3	16.5	20.1	7.7	6.7	1.63
DES MOINES																
SITE 01	66	25	1.1	3.0	3.2	4.5	5.8	6.2	6.7	7.0	8.0	13.2	27.4	7.3	5.9	1.96
	67	25	2.4	2.7	2.8	3.2	3.4	3.6	4.1	5.9	6.2	8.0	9.4	4.6	4.2	1.52
	66 67	50	1.1	2.7	3.0	3.4	3.7	5.3	5.9	6.3	7.0	9.4	27.4	6.0	5.0	1.75
DUBUQUE																
SITE 01	66	26	2.6	3.7	4.5	4.7	5.9	6.1	7.4	8.4	9.0	14.8	26.8	7.8	6.7	1.69
	67	25	2.1	3.1	4.6	5.3	6.3	7.2	8.2	9.4	13.9	15.7	17.9	8.6	7.4	1.80
	66 67	51	2.1	3.7	4.6	5.3	6.1	6.7	7.5	8.9	11.9	15.0	26.8	8.2	7.0	1.74
KANSAS																
KANSAS CITY																
SITE 01	66	23	2.3	2.8	3.8	4.7	5.0	5.2	5.8	6.5	7.4	8.1	10.0	5.6	5.2	1.50
TOPEKA																
SITE 01	67	26	.9	1.1	1.3	1.5	1.6	2.0	2.3	2.9	3.3	5.3	7.7	2.6	2.1	1.80
WICHITA																
SITE 01	66	25	1.3	2.1	2.5	2.6	3.1	3.9	4.8	5.9	6.2	7.5	7.6	4.4	3.9	1.64
	67	25	.7	1.4	1.6	1.8	2.4	2.8	3.0	4.0	4.5	6.2	16.5	3.6	2.9	1.93
	66 67	50	.7	1.6	2.0	2.5	2.8	3.1	3.9	4.8	5.9	7.0	16.5	4.0	3.4	1.79
KENTUCKY																
ASHLAND																
SITE 01	66	24	4.9	5.6	6.5	7.6	8.8	10.5	15.5	18.5	23.3	26.7	61.3	16.1	12.4	2.02
COVINGTON																
SITE 01	66	25	2.9	4.4	5.6	6.6	6.9	8.3	10.8	13.1	14.4	21.2	22.4	10.4	9.0	1.74
	67	25	3.3	4.5	5.0	6.5	6.7	7.3	7.6	8.5	9.6	11.1	24.6	8.1	7.4	1.50
	66 67	50	2.9	4.5	5.6	6.5	6.9	7.6	8.3	10.4	11.3	14.7	24.6	9.3	8.1	1.63
LEXINGTON																
SITE 01	67	26	.6	3.6	4.9	5.3	6.4	7.8	8.8	10.1	13.2	16.6	18.5	8.6	7.2	2.02
LOUISVILLE																
SITE 01	66	25	3.4	6.8	8.0	9.3	9.7	13.2	14.8	16.6	18.9	27.0	29.3	14.0	12.4	1.70
	67	26	3.5	5.5	7.6	8.8	10.2	10.5	11.6	12.8	15.0	17.2	31.2	11.8	10.6	1.61
	66 67	51	3.4	6.3	8.0	8.8	10.2	11.2	12.8	14.8	16.6	23.7	31.2	12.9	11.4	1.66
LOUISIANA																
NEW ORLEANS																
SITE 02	66	26	3.1	3.5	4.5	4.9	5.4	6.0	6.7	7.8	8.6	11.6	13.9	6.7	6.2	1.50
	67	26	3.5	4.1	4.8	4.9	5.9	6.2	7.6	8.4	11.1	11.9	17.5	7.5	6.8	1.53
	66 67	52	3.1	3.6	4.7	4.9	5.7	6.1	7.3	8.1	9.4	11.6	17.5	7.1	6.5	1.51
MARYLAND																
BALTIMORE																
SITE 01	66	26	6.6	10.0	12.2	13.1	15.2	15.6	16.8	19.2	22.5	35.6	76.1	19.5	16.9	1.65
	67	25	4.4	5.4	8.7	9.7	12.7	14.7	15.4	17.7	18.2	27.1	39.2	15.7	13.5	1.78
	66 67	51	4.4	8.7	10.0	12.7	14.1	15.4	16.6	18.1	22.1	27.1	76.1	17.6	15.1	1.71
MASSACHUSETTS																
BOSTON																
SITE 01	* 66	261	.7	1.5	1.6	1.8	2.0	2.2	2.4	2.6	2.9	3.3	10.0	2.4	2.2	1.44
LYNN																
SITE 01	* 66	263	.6	1.0	1.2	1.4	1.5	1.7	1.8	2.1	2.4	3.1	7.0	1.9	1.7	1.53
QUINCY																
SITE 01	* 66	264	.6	1.0	1.2	1.3	1.4	1.5	1.6	1.7	2.0	2.4	3.9	1.6	1.5	1.45

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MICHIGAN																
DETROIT																
SITE 01	66	26	5.2	6.0	7.4	7.8	9.1	11.6	12.0	14.9	19.4	23.1	39.5	13.3	11.5	1.69
	67	23	1.3	3.6	5.1	6.3	10.3	11.7	12.2	14.5	14.9	16.5	24.6	10.7	8.7	2.11
	66 67	49	1.3	5.1	6.3	7.4	9.1	11.7	12.2	14.5	16.2	23.1	39.5	12.0	10.0	1.90
FLINT																
SITE 01	67	25	1.4	2.9	3.1	4.2	4.6	5.6	5.9	6.4	7.5	9.3	11.3	5.6	5.1	1.61
GRAND RAPIDS																
SITE 01	67	25	2.7	3.5	3.9	4.5	4.8	6.6	7.3	8.1	8.6	10.2	21.9	7.1	6.3	1.63
MINNESOTA																
DULUTH																
SITE 01	66	26	1.8	2.3	2.9	3.3	4.6	5.4	6.2	7.5	8.2	10.3	12.8	5.8	5.0	1.74
MINNEAPOLIS																
SITE 01	66	26	1.8	2.2	3.3	3.7	4.4	5.0	5.5	8.3	9.2	11.9	14.3	6.2	5.2	1.81
	67	26	.8	2.0	3.6	3.8	4.1	5.1	5.6	8.5	8.9	10.0	12.8	5.8	4.9	1.92
	66 67	52	.8	2.2	3.3	3.8	4.1	5.1	5.6	8.3	9.2	10.1	14.3	6.0	5.1	1.86
MOORHEAD																
SITE 01	66	26	1.3	1.5	2.0	2.2	2.8	3.0	3.9	4.7	6.2	7.2	8.5	3.8	3.3	1.76
ST. PAUL																
SITE 01	66	25	1.9	2.8	3.9	4.9	5.9	7.7	8.1	9.4	10.2	15.7	22.9	8.1	6.8	1.86
	67	26	1.4	2.7	3.4	3.7	5.3	6.1	6.7	7.5	9.2	25.0	28.5	8.0	6.0	2.09
	66 67	51	1.4	2.8	3.6	4.2	5.7	6.6	7.5	8.5	10.2	15.7	28.5	8.1	6.4	1.98
MISSISSIPPI																
JACKSON																
SITE 01	66	26	1.5	2.1	3.3	3.7	4.3	4.7	5.1	5.5	7.0	7.9	11.0	5.1	4.5	1.64
MISSOURI																
KANSAS CITY																
SITE 01	66	24	3.3	3.6	3.8	4.9	5.0	5.3	5.9	7.4	8.5	10.0	13.0	6.4	5.9	1.49
	67	26	2.2	2.6	3.3	3.6	4.5	5.9	6.6	7.6	8.0	10.3	14.7	6.1	5.4	1.67
	66 67	50	2.2	3.3	3.6	4.3	4.9	5.6	6.5	7.4	8.0	10.0	14.7	6.3	5.6	1.58
ST. LOUIS																
SITE 01	66	24	4.6	8.4	10.8	12.5	14.3	16.3	18.4	18.7	21.9	26.4	31.6	16.6	15.2	1.59
	67	25	4.5	6.0	6.5	8.6	9.1	10.3	12.5	15.5	16.4	18.9	21.4	11.8	10.8	1.56
	66 67	49	4.5	6.2	8.6	9.8	12.0	12.8	16.0	18.2	18.9	21.9	31.6	14.2	12.8	1.57
SITE 02	66	95	1.0	4.3	7.2	8.8	10.4	11.9	13.1	16.3	18.5	24.0	53.7	13.9	11.2	2.00
MONTANA																
HELENA																
SITE 01	66	26	1.2	1.5	1.6	1.8	1.8	1.9	2.1	2.8	4.9	6.9	7.6	2.9	2.4	1.78
	67	26	.6	.8	.9	1.1	1.3	1.3	2.3	2.9	3.8	7.0	7.9	2.5	1.9	2.12
	66 67	52	.6	.9	1.2	1.5	1.7	1.8	2.1	2.8	3.8	6.9	7.9	2.7	2.1	1.96
NEBRASKA																
OMAHA																
SITE 01	66	25	2.3	3.0	3.4	4.0	4.4	5.3	6.2	6.7	7.5	12.7	16.5	6.3	5.5	1.70
	67	26	1.5	1.7	2.4	2.5	2.9	3.1	3.7	4.6	5.6	9.4	13.1	4.4	3.7	1.82
	66 67	51	1.5	2.3	2.7	3.1	3.7	4.1	5.1	6.2	6.9	11.9	16.5	5.4	4.5	1.76
NEVADA																
LAS VEGAS																
SITE 01	66	26	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.8	4.0	5.6	6.2	3.5	3.3	1.40
	67	26	.8	1.0	1.5	1.6	2.0	2.1	2.8	3.1	3.2	4.3	5.1	2.5	2.2	1.63
	66 67	52	.8	1.5	2.0	2.2	2.4	2.8	3.1	3.3	3.8	5.1	6.2	3.0	2.7	1.52
RENO																
SITE 01	67	25	1.1	1.5	1.9	2.0	2.3	2.7	2.8	3.6	4.5	5.1	13.5	3.3	2.9	1.70
NEW HAMPSHIRE																
CONCORD																
SITE 01	66	26	2.9	3.4	3.9	4.1	5.4	5.7	7.2	8.8	11.1	13.4	18.2	7.3	6.4	1.69
	67	26	2.3	3.9	4.8	4.8	5.2	5.9	7.9	10.4	11.0	14.1	29.0	8.3	7.0	1.75
	66 67	52	2.3	3.6	4.1	4.8	5.2	5.9	7.7	9.0	11.1	13.4	29.0	7.8	6.7	1.72
NEW JERSEY																
BAYONNE																
SITE 01	67	23	5.9	9.4	11.5	13.4	14.9	15.4	16.0	17.9	24.8	27.8	42.7	18.1	16.2	1.60
BURLINGTON COUNTY																
SITE 02	66	26	3.7	7.4	7.7	9.0	10.4	11.1	12.6	14.1	17.1	25.5	30.2	13.3	11.7	1.67
	67	26	4.0	5.5	7.1	7.7	8.9	9.6	11.3	14.8	16.3	24.4	27.1	11.9	10.5	1.66
	66 67	52	3.7	6.0	7.5	8.1	9.6	10.9	12.6	14.1	16.4	24.4	30.2	12.6	11.1	1.66
CAMDEN																
SITE 01	66	25	8.9	10.3	10.8	17.2	18.2	19.2	19.5	21.6	22.3	29.1	39.1	19.4	18.1	1.46
GLASSBORO																
SITE 01	66	26	5.2	5.6	7.4	7.8	9.2	9.5	11.3	14.2	14.8	18.7	29.6	11.6	10.5	1.58
	67	26	3.1	3.8	4.7	5.6	7.0	7.2	8.5	10.0	11.1	14.1	20.3	8.3	7.4	1.61
	66 67	52	3.1	4.7	5.6	7.0	7.6	8.8	9.9	11.3	14.1	14.8	29.6	10.0	8.8	1.59

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev'
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
JERSEY CITY																
SITE 01	66	23	6.1	10.0	11.1	12.9	18.2	23.3	25.1	34.4	36.9	42.9	55.3	24.1	20.6	1.81
	67	25	6.3	8.5	12.6	14.0	15.7	17.3	18.0	21.3	24.8	36.4	39.1	19.4	17.4	1.61
	66 67	48	6.1	9.5	12.2	13.7	16.3	18.0	21.3	25.1	34.4	38.1	55.3	21.8	19.0	1.71
NEWARK																
SITE 01	66	25	6.8	7.5	8.4	9.2	10.8	13.2	14.0	16.8	19.9	24.1	33.5	14.7	13.3	1.57
	67	25	4.2	7.1	9.6	13.7	14.0	15.7	17.0	22.5	23.2	26.7	29.3	16.7	15.0	1.67
	66 67	50	4.2	7.2	8.6	9.9	13.2	14.0	15.8	19.3	22.5	24.4	33.5	15.7	14.1	1.62
PATERSON																
SITE 01	67	25	5.2	10.1	12.1	12.3	13.4	14.4	15.8	21.4	21.7	30.3	36.5	17.5	15.9	1.57
PERTH AMBOY																
SITE 01	67	25	3.0	9.2	11.7	14.8	17.9	20.7	21.7	23.2	24.1	33.9	49.0	20.9	18.2	1.78
TRENTON																
SITE 01	66	21	4.2	5.8	7.9	9.0	12.2	13.0	13.7	14.7	18.2	25.8	34.5	14.2	12.3	1.75
NEW MEXICO																
ALBUQUERQUE																
SITE 01	66	25	.0	.0	.3	.6	.8	.9	1.1	1.2	1.3	1.8	3.0	.9	.7	2.57
	67	26	1.2	1.5	1.8	1.8	2.2	2.7	2.8	3.3	3.6	4.7	5.9	2.8	2.6	1.54
	66 67	51	.0	.3	.9	1.1	1.2	1.8	1.8	2.4	3.0	3.6	5.9	1.9	1.3	2.08
NEW YORK																
ALBANY																
SITE 01	* 66	52	1.1	5.0	5.7	8.0	9.5	10.9	12.9	15.9	17.2	24.6	33.5	12.7	10.4	1.99
	* 67	42	4.1	4.9	6.4	7.2	8.9	10.4	11.4	12.9	16.1	20.9	25.3	11.4	10.1	1.66
	66 67	94	1.1	4.9	6.0	7.9	9.2	10.6	12.3	13.5	16.8	23.8	33.5	12.1	10.2	1.83
BINGHAMTON																
SITE 02	67	48	2.8	4.0	5.1	5.9	6.4	6.9	8.0	9.4	11.0	12.5	17.9	8.1	7.4	1.55
BUFFALO																
SITE 01	* 66	52	5.3	8.0	9.4	11.6	13.3	15.0	16.4	17.0	21.3	26.6	39.9	16.2	14.6	1.58
	* 67	48	1.4	4.5	6.2	7.4	8.8	10.3	11.7	13.3	16.6	20.5	34.7	12.0	10.1	1.85
	66 67	100	1.4	6.0	7.6	9.2	10.8	12.3	14.6	16.4	18.5	25.3	39.9	14.1	12.1	1.72
ELMIRA																
SITE 01	* 66	49	1.9	3.8	5.3	5.8	7.4	8.3	9.4	10.1	11.7	15.7	24.5	8.7	7.6	1.70
	* 67	38	2.8	3.9	4.1	4.5	5.2	5.7	5.8	7.1	8.0	11.0	13.9	6.3	5.9	1.45
	66 67	87	1.9	3.9	4.2	5.5	5.8	7.0	7.9	9.1	10.2	12.0	24.5	7.5	6.7	1.59
MASSENA																
SITE 01	* 66	57	.3	2.6	3.8	4.7	5.4	6.3	7.5	8.5	9.0	13.0	30.6	7.2	5.9	2.04
MT VERNON																
SITE 01	* 66	60	2.0	6.0	7.1	8.1	10.8	12.3	14.3	16.1	19.1	21.1	30.7	13.3	11.5	1.77
NEW ROCHELLE																
SITE 02	* 66	56	2.4	6.5	10.1	11.3	12.2	13.9	15.8	18.0	22.5	25.5	36.9	15.3	13.4	1.77
	* 67	46	4.4	6.8	9.6	10.8	11.3	12.7	13.4	17.0	23.9	28.8	30.7	15.4	13.6	1.66
	66 67	102	2.4	6.8	9.6	11.0	11.6	13.2	15.5	17.8	23.0	28.1	36.9	15.4	13.5	1.71
NEW YORK CITY																
SITE 01	66	24	9.2	9.6	10.7	12.7	13.3	16.9	23.1	24.5	26.6	27.3	30.9	18.7	17.2	1.52
	67	21	3.6	10.1	19.5	20.9	23.3	29.3	35.6	43.0	51.9	54.1	66.8	32.2	26.5	2.06
	66 67	45	3.6	9.6	11.0	16.3	19.5	23.1	24.5	27.3	32.4	51.9	66.8	25.5	21.4	1.80
POUGHKEEPSIE																
SITE 01	* 66	58	1.6	5.3	6.1	7.4	11.2	12.3	14.3	17.3	19.5	23.7	40.1	13.5	11.4	1.88
ROCHESTER																
SITE 01	* 66	56	2.3	5.3	7.4	8.1	9.7	10.4	11.4	12.0	14.0	15.9	18.8	10.5	9.6	1.60
	* 67	48	2.5	4.0	6.5	7.1	8.1	9.4	10.3	11.4	12.8	16.0	28.9	9.8	8.8	1.64
	66 67	104	2.3	4.5	6.7	7.6	8.7	10.0	10.9	11.9	13.2	15.9	28.9	10.2	9.2	1.62
SCHENECTADY																
SITE 01	* 66	56	.6	5.7	7.2	9.3	9.8	11.2	14.2	18.3	20.8	24.7	36.6	13.7	11.4	1.98
	* 67	46	3.3	4.8	6.7	7.3	9.0	10.6	12.4	14.2	16.9	22.1	45.9	12.3	10.5	1.76
	66 67	102	.6	5.0	6.8	8.7	9.7	10.9	13.1	15.5	18.9	22.4	45.9	13.0	10.9	1.87
SYRACUSE																
SITE 01	* 66	56	2.2	4.5	5.8	7.3	9.1	9.6	10.2	11.4	12.6	14.1	17.3	9.5	8.7	1.58
	* 67	50	.0	4.4	5.6	6.1	6.9	7.3	8.8	9.7	13.3	14.7	32.9	9.5	7.8	2.22
	66 67	106	.0	4.5	5.7	6.2	7.6	9.0	9.7	10.8	13.0	14.5	32.9	9.5	8.2	1.92
TROY																
SITE 01	* 66	53	1.6	5.3	7.1	8.8	10.3	11.1	12.4	12.9	15.2	20.3	24.7	11.6	10.4	1.69
SITE 02	* 67	42	3.1	4.8	5.6	6.8	7.7	8.8	10.3	10.8	13.6	16.4	19.0	9.7	8.8	1.58

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³														Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean		
				10	20	30	40	50	60	70	80	90					
UTICA SITE 01	* 66	56	3.6	5.4	6.4	7.7	9.2	10.1	10.8	11.8	14.1	16.2	21.9	10.3	9.5	1.53	
	* 67	50	2.9	4.7	5.7	6.5	6.8	7.6	8.6	10.1	12.1	14.6	22.9	8.9	8.1	1.52	
	66 67	106	2.9	5.2	6.2	6.6	7.7	9.0	10.1	11.5	12.5	16.1	22.9	9.6	8.8	1.52	
NORTH CAROLINA CHARLOTTE SITE 01	66	26	4.0	5.4	6.7	7.0	8.1	8.5	9.4	10.0	12.7	17.7	24.6	9.8	9.0	1.53	
	67	25	4.0	4.6	5.9	6.3	7.2	8.5	8.7	10.2	11.6	14.0	16.0	8.8	8.2	1.49	
	66 67	51	4.0	5.3	6.2	6.8	7.5	8.5	9.1	10.2	12.2	14.9	24.6	9.3	8.6	1.51	
OHIO AKRON SITE 01	66	25	5.4	7.6	8.3	10.2	10.5	13.2	14.6	15.2	17.4	25.6	33.9	14.6	13.1	1.62	
	67	26	2.3	6.0	8.2	11.8	13.2	13.7	14.9	15.5	17.2	22.0	26.9	13.6	12.0	1.78	
	66 67	51	2.3	6.1	8.3	10.5	12.7	13.7	14.9	15.4	17.4	23.4	33.9	14.1	12.5	1.70	
CINCINNATI SITE 01	66	25	5.5	6.2	7.3	8.4	9.3	11.5	12.1	16.0	19.4	25.8	58.9	15.0	12.4	1.80	
	67	25	4.9	5.6	6.6	7.5	8.2	9.2	10.4	12.5	13.5	15.0	21.8	10.3	9.6	1.46	
	66 67	50	4.9	5.9	7.2	7.5	9.1	9.9	12.0	13.5	15.7	21.8	58.9	12.7	10.9	1.64	
SITE 03	66	118	2.3	4.0	5.4	6.3	7.9	9.0	10.3	12.2	14.9	21.3	34.9	10.6	8.9	1.81	
CLEVELAND SITE 01	66	26	4.1	6.2	7.3	8.5	8.8	11.7	12.7	14.4	15.2	19.8	26.4	12.1	11.0	1.56	
	67	26	3.6	5.3	6.7	8.5	9.2	9.9	11.5	13.2	14.2	16.3	36.4	11.3	10.1	1.61	
	66 67	52	3.6	6.0	7.3	8.5	9.0	10.4	12.7	13.2	14.7	17.0	36.4	11.7	10.5	1.59	
COLUMBUS SITE 01	66	25	4.0	4.8	7.1	8.2	8.7	10.5	12.2	13.7	14.6	23.8	24.6	12.0	10.7	1.66	
	67	26	1.8	6.3	6.8	6.9	8.4	8.6	8.9	9.8	10.6	13.1	22.8	9.0	8.3	1.56	
	66 67	51	1.8	6.3	6.8	8.0	8.6	8.9	9.8	11.1	13.2	17.5	24.6	10.5	9.4	1.61	
DAYTON SITE 01	66	26	4.5	4.9	5.5	6.5	7.6	8.3	9.7	10.1	12.8	21.3	27.5	10.0	8.9	1.64	
	67	26	3.5	5.2	6.2	7.0	8.9	9.4	11.9	13.7	15.3	18.5	27.9	11.2	9.9	1.67	
	66 67	52	3.5	5.0	5.7	6.9	8.2	8.9	10.1	12.6	14.7	18.5	27.9	10.6	9.3	1.65	
TOLEDO SITE 01	66	26	4.3	5.7	6.4	7.9	8.3	8.5	10.9	12.7	13.0	15.5	38.0	11.0	9.8	1.60	
	67	26	2.6	5.6	7.6	9.3	9.8	10.3	10.7	11.5	13.9	17.8	22.4	10.8	9.8	1.59	
	66 67	52	2.6	5.7	6.7	8.3	9.3	9.8	10.8	12.4	13.2	16.7	38.0	10.9	9.8	1.60	
YOUNGSTOWN SITE 01	66	26	5.6	6.3	8.6	8.9	10.1	10.7	12.9	13.6	19.0	23.6	28.1	12.9	11.7	1.58	
	67	26	4.1	5.6	7.5	8.7	10.7	11.9	14.8	15.4	16.2	19.6	35.7	13.1	11.5	1.69	
	66 67	52	4.1	6.3	7.5	8.9	10.4	11.2	13.0	15.4	16.9	21.0	35.7	13.0	11.6	1.64	
OKLAHOMA OKLAHOMA CITY SITE 01	66	26	2.0	2.6	3.0	3.0	4.1	4.3	5.1	6.4	6.6	7.8	9.3	4.9	4.4	1.55	
	67	25	1.6	1.7	2.1	3.0	3.2	3.7	4.5	4.9	5.2	7.6	16.9	4.7	3.9	1.81	
	66 67	51	1.6	2.1	2.8	3.0	3.6	4.1	4.6	5.2	6.4	7.6	16.9	4.8	4.1	1.68	
TULSA SITE 01	66	25	1.9	2.1	2.6	3.3	3.7	4.1	4.5	5.3	5.8	8.6	10.4	4.7	4.2	1.63	
	67	25	1.4	2.2	2.3	2.6	2.7	3.0	3.2	4.9	5.6	8.8	13.5	4.4	3.7	1.79	
	66 67	50	1.4	2.1	2.5	2.7	3.1	3.4	4.3	4.9	5.8	8.6	13.5	4.6	3.9	1.71	
OREGON EUGENE SITE 01	67	24	1.1	1.4	1.6	1.9	2.5	2.8	3.1	3.6	4.2	6.7	7.9	3.2	2.8	1.75	
MEDFORD SITE 01	67	26	.3	1.3	1.7	1.9	2.2	2.2	2.8	3.9	4.4	5.1	6.5	2.9	2.5	1.94	
PORTLAND SITE 01	66	22	2.1	2.9	3.4	3.6	5.1	5.2	6.0	6.5	9.9	14.5	16.7	6.7	5.6	1.80	
	67	26	1.7	2.6	3.7	4.6	5.8	6.3	6.8	8.1	8.3	9.9	15.9	6.5	5.7	1.72	
	66 67	48	1.7	2.6	3.6	4.5	5.2	5.8	6.5	7.4	8.4	11.5	16.7	6.6	5.6	1.76	
PENNSYLVANIA ALLENTOWN SITE 01	67	25	3.6	7.9	9.3	11.1	11.7	13.5	14.7	19.2	21.2	23.4	64.1	16.7	14.2	1.76	
ALTOONA SITE 01	67	25	5.3	6.8	7.2	8.0	8.9	10.6	11.1	12.8	14.1	17.0	21.9	11.1	10.3	1.46	
BETHLEHEM SITE 01	67	25	6.5	6.9	8.2	9.9	10.4	12.9	13.4	20.9	27.4	34.1	56.5	18.1	14.7	1.88	

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ERIE																
SITE 01	67	26	4.1	4.7	7.5	8.9	10.1	10.8	11.9	12.8	13.0	18.1	19.8	11.0	10.1	1.54
LANCASTER																
SITE 01	66	26	4.0	7.3	9.3	10.4	11.6	12.3	16.4	17.8	19.3	23.8	25.7	14.2	12.9	1.60
	67	24	4.6	5.2	7.2	9.0	10.5	11.4	11.8	13.2	14.7	17.6	38.5	12.2	10.9	1.60
	66 67	50	4.0	5.7	7.6	9.5	11.2	11.8	12.7	14.7	17.7	19.6	38.5	13.2	11.8	1.60
PHILADELPHIA																
SITE 01	66	24	7.9	9.2	11.5	14.6	17.4	19.1	20.2	20.5	24.9	31.7	44.4	19.4	17.7	1.56
	67	25	7.2	11.4	12.6	14.2	15.0	19.7	20.6	27.5	33.0	36.4	46.6	21.7	19.4	1.63
	66 67	49	7.2	10.5	12.4	14.2	16.2	19.4	20.2	21.4	28.4	35.6	46.6	20.6	18.5	1.59
SITE 02	66	150	2.4	8.7	11.0	12.3	15.0	16.8	19.8	22.0	24.1	30.3	73.3	19.0	16.5	1.73
PITTSBURGH																
SITE 01	66	26	4.1	5.9	6.9	8.1	9.6	11.5	12.9	15.6	16.3	23.4	24.3	12.7	11.4	1.64
	67	25	5.2	7.4	8.4	9.8	10.8	11.8	13.7	14.8	16.5	23.1	28.1	13.4	12.2	1.54
	66 67	51	4.1	6.5	7.9	9.5	10.8	11.8	13.7	15.1	16.5	23.1	28.1	13.1	11.8	1.59
READING																
SITE 01	66	25	2.6	6.0	6.6	8.2	9.8	12.4	16.3	23.4	25.0	35.1	51.1	17.5	13.6	2.10
	67	25	1.9	4.8	6.7	11.0	11.3	12.0	13.3	14.4	18.8	21.5	48.6	14.7	12.0	1.98
	66 67	50	1.9	5.3	6.7	9.5	11.2	12.0	13.9	18.7	22.8	31.8	51.1	16.1	12.8	2.04
SCRANTON																
SITE 01	67	23	5.8	9.8	10.3	10.8	14.7	19.1	26.5	30.7	35.6	39.9	67.6	23.9	19.6	1.92
WARMINSTER																
SITE 01	66	25	3.3	4.2	5.1	6.6	8.1	10.2	11.8	12.6	13.9	21.6	25.7	11.0	9.4	1.77
	67	23	5.0	6.9	9.3	10.5	11.7	12.9	15.0	17.7	18.4	23.0	37.3	14.7	13.1	1.63
	66 67	48	3.3	5.0	6.6	9.3	10.5	11.7	12.9	14.7	17.7	22.4	37.3	12.9	11.1	1.70
WEST CHESTER																
SITE 01	67	26	2.6	4.9	5.2	6.1	7.9	9.1	11.3	11.5	12.7	13.8	21.8	9.4	8.5	1.62
YORK																
SITE 01	67	26	4.6	5.5	7.5	8.6	9.3	10.1	12.3	15.4	15.6	18.2	32.2	12.2	10.8	1.64
PUERTO RICO																
BAYAMON																
SITE 01	66	26	1.9	2.8	3.8	4.1	6.9	9.8	15.5	18.2	19.2	27.6	38.6	12.8	9.0	2.46
	67	25	3.4	4.2	5.1	6.6	7.9	9.6	13.0	21.5	22.8	24.7	37.6	14.0	11.0	2.07
	66 67	51	1.9	3.4	4.2	5.3	7.7	9.8	15.5	18.3	22.1	24.7	38.6	13.4	10.0	2.27
CATANO																
SITE 01	66	24	3.1	3.2	3.4	3.6	3.7	4.7	5.1	5.6	6.8	8.7	10.7	5.1	4.8	1.45
GUAYANILLA																
SITE 01	66	25	1.2	1.5	1.7	1.8	1.9	2.0	2.0	2.4	3.2	4.2	4.4	2.4	2.2	1.48
	67	23	.7	1.7	1.7	1.8	2.2	2.6	2.8	3.4	3.9	5.0	12.9	3.3	2.7	1.88
	66 67	48	.7	1.5	1.7	1.8	1.9	2.0	2.6	3.0	3.9	4.4	12.9	2.9	2.4	1.69
PONCE																
SITE 01	66	26	1.2	1.7	2.0	2.6	2.8	2.8	3.3	3.9	4.9	7.5	8.8	3.7	3.2	1.71
	67	24	.8	2.3	2.5	2.9	3.2	4.1	5.0	5.7	6.8	7.1	8.4	4.5	3.9	1.73
	66 67	50	.8	1.8	2.3	2.6	2.8	3.2	3.9	4.9	6.6	7.2	8.8	4.1	3.6	1.72
RHODE ISLAND																
EAST PROVIDENCE																
SITE 01	67	26	2.2	4.1	5.5	5.6	6.6	8.7	9.7	12.0	14.5	17.7	23.6	10.0	8.5	1.79
PROVIDENCE																
SITE 01	66	24	4.0	7.5	8.7	9.7	10.6	12.2	14.4	15.4	16.8	24.2	34.2	14.1	12.6	1.61
	67	23	4.4	6.8	7.1	8.7	12.4	13.1	15.1	17.2	18.2	20.1	21.1	13.1	12.0	1.60
	66 67	47	4.0	7.0	8.3	9.7	11.1	12.4	15.0	15.7	17.4	21.1	34.2	13.6	12.3	1.61
SOUTH CAROLINA																
COLUMBIA																
SITE 01	66	23	2.2	2.3	2.8	3.9	6.0	6.2	7.7	8.6	9.6	11.0	20.8	7.3	6.0	1.91
	67	26	1.1	3.0	3.4	4.4	5.2	6.0	7.3	7.8	9.6	10.8	15.6	6.6	5.8	1.77
	66 67	49	1.1	2.8	3.3	4.4	5.2	6.1	7.4	8.4	9.6	11.0	20.8	7.0	5.9	1.84
GREENVILLE																
SITE 01	66	26	2.3	2.9	4.6	5.7	6.4	7.7	9.2	10.5	11.5	13.3	20.2	8.2	7.2	1.74
SOUTH DAKOTA																
SIOUX FALLS																
SITE 01	66	26	1.3	1.5	2.1	2.3	2.5	3.0	3.5	3.8	4.6	5.0	6.3	3.2	2.9	1.57
TENNESSEE																
CHATTANOOGA																
SITE 01	66	23	4.0	6.2	6.9	7.2	7.5	8.1	9.3	10.1	13.4	13.8	20.4	9.6	8.9	1.46
	67	22	1.7	5.2	5.5	6.4	6.7	7.3	8.5	9.8	12.2	13.3	17.6	8.5	7.6	1.67
	66 67	45	1.7	5.4	6.2	6.8	7.3	7.8	8.7	9.8	12.2	13.8	20.4	9.1	8.2	1.57

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
KNOXVILLE SITE 01	67	24	3.9	5.5	5.6	6.2	7.3	7.9	9.0	9.3	10.3	12.5	13.6	8.2	7.8	1.38
MEMPHIS SITE 01	66	26	2.3	3.9	4.0	4.4	5.2	6.0	6.7	9.3	9.8	13.5	24.2	7.6	6.6	1.72
	67	26	1.4	2.3	2.9	3.6	3.9	4.7	6.0	7.2	7.7	8.9	16.9	5.6	4.8	1.77
	66 67	52	1.4	2.7	3.7	4.0	4.7	5.3	6.5	7.4	8.9	10.7	24.2	6.6	5.6	1.75
NASHVILLE SITE 01	66	24	5.2	6.4	6.6	8.3	9.5	9.8	12.0	14.9	19.9	21.1	26.2	12.4	11.1	1.62
	67	25	3.1	4.8	6.2	6.6	6.8	7.1	8.7	11.4	12.8	16.6	20.1	9.2	8.4	1.57
	66 67	49	3.1	5.5	6.4	6.8	7.3	9.5	10.5	12.8	16.6	20.1	26.2	10.8	9.6	1.60
TEXAS																
DALLAS SITE 01	66	24	2.3	4.7	5.2	5.5	4.0	4.1	4.7	4.9	5.8	6.8	9.3	4.6	4.3	1.42
HOUSTON SITE 01	66	26	1.7	2.9	3.6	3.7	4.2	4.6	5.2	6.6	7.6	14.7	17.2	6.2	5.2	1.76
	67	26	1.8	2.5	3.4	4.9	5.6	6.2	9.4	12.3	14.1	18.1	25.2	8.9	7.0	2.08
	66 67	52	1.7	2.9	3.6	4.2	4.9	5.5	6.6	9.4	12.3	16.0	25.2	7.6	6.1	1.92
PASADENA SITE 01	67	24	2.2	2.6	3.4	4.2	5.4	5.6	7.0	7.4	8.0	15.0	18.0	6.8	5.7	1.79
SAN ANTONIO SITE 01	66	25	2.0	2.3	2.7	3.1	3.3	3.4	3.6	4.1	4.4	5.8	10.3	3.9	3.6	1.44
	67	25	.8	1.8	2.3	3.0	3.3	3.7	4.1	4.9	5.8	9.6	16.9	4.7	3.8	1.90
	66 67	50	.8	2.0	2.6	3.0	3.3	3.5	4.1	4.4	4.9	6.4	16.9	4.3	3.7	1.68
UTAH																
OGDEN SITE 01	66	24	1.4	1.9	2.1	2.5	2.8	3.1	4.1	4.5	6.3	8.2	27.2	4.8	3.7	1.90
SALT LAKE CITY SITE 01	66	24	1.8	2.9	3.5	3.6	4.4	5.1	5.9	6.0	7.5	16.4	27.8	6.9	5.5	1.90
	67	25	1.7	1.7	2.0	2.0	2.4	2.6	2.9	4.2	4.5	6.9	9.5	3.6	3.1	1.69
	66 67	49	1.7	1.9	2.2	2.6	3.3	3.6	4.5	5.7	6.0	9.5	27.8	5.3	4.1	1.80
VERMONT																
BURLINGTON SITE 01	66	25	4.3	5.0	5.8	6.9	7.2	8.0	9.3	12.1	15.0	16.8	21.6	10.1	9.0	1.61
VIRGINIA																
DANVILLE SITE 01	66	23	3.1	4.7	5.9	6.0	7.0	7.6	7.9	9.1	10.2	12.1	17.4	8.1	7.5	1.50
HAMPTON SITE 01	67	26	2.9	3.9	4.2	5.4	7.0	7.4	8.4	8.8	9.8	13.1	14.7	7.7	7.0	1.59
LYNCHBURG SITE 01	67	26	4.3	5.4	5.8	6.8	7.9	8.3	8.5	14.2	15.8	21.1	24.1	10.7	9.5	1.65
NORFOLK SITE 01	66	26	3.8	5.4	6.8	7.5	7.9	8.8	10.3	12.2	12.4	14.4	25.6	10.0	9.1	1.53
	67	25	4.5	6.4	6.5	7.5	9.2	10.3	11.0	11.8	14.7	19.2	22.3	11.2	10.2	1.52
	66 67	51	3.8	5.6	6.7	7.5	8.8	10.1	11.0	12.2	12.5	15.3	25.6	10.6	9.7	1.53
PORTSMOUTH SITE 01	67	26	2.9	4.8	6.4	6.8	7.9	9.1	10.2	13.0	13.7	16.1	20.7	10.1	9.2	1.60
RICHMOND SITE 01	67	26	3.9	5.4	6.4	7.2	7.4	8.0	9.4	11.4	11.7	14.9	19.0	9.3	8.7	1.45
ROANOKE SITE 01	67	25	3.6	5.0	5.9	7.4	7.8	8.8	9.4	9.8	11.4	15.4	17.8	9.3	8.6	1.49
WASHINGTON																
SEATTLE SITE 01	66	26	3.8	4.1	5.0	5.3	5.7	5.8	6.2	6.3	7.7	10.2	11.7	6.5	6.2	1.36
	67	26	2.7	3.1	3.6	4.3	5.1	5.2	5.4	6.1	6.4	8.0	12.1	5.5	5.2	1.44
	66 67	52	2.7	3.6	4.2	5.0	5.3	5.5	5.9	6.3	7.3	9.4	12.1	6.0	5.6	1.40
WEST VIRGINIA																
CHARLESTON SITE 01	66	22	2.8	7.2	8.9	9.8	11.1	18.1	27.7	41.2	52.6	60.3	70.1	27.2	19.0	2.53
	67	26	4.9	6.7	9.0	9.4	11.5	12.0	20.5	39.8	41.5	53.2	196.7	26.2	17.9	2.37
	66 67	48	2.8	6.7	9.0	9.8	11.5	17.1	21.3	39.8	43.0	60.3	196.7	26.7	18.4	2.45
WISCONSIN																
KENOSHA SITE 01	67	26	2.2	3.2	4.4	4.7	5.6	6.1	6.7	7.4	7.9	12.4	14.2	6.6	5.9	1.61

*Data contributed by state or local agency.

Table 4-7 (continued). SULFATES, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
MADISON SITE 01	67	26	2.0	2.6	3.2	3.5	4.2	4.5	5.4	5.9	6.5	8.3	10.3	5.0	4.6	1.55
MILWAUKEE SITE 01	66	26	3.2	4.1	5.6	6.1	6.6	7.2	8.1	8.7	11.1	22.9	36.5	10.1	8.2	1.81
	67	26	3.1	3.9	4.7	4.8	5.5	7.3	8.5	9.9	10.6	15.8	22.6	8.3	7.3	1.65
	66 67	52	3.1	4.1	4.8	5.5	6.4	7.2	8.4	9.3	10.6	16.1	36.5	9.2	7.7	1.73
WYOMING CASPER SITE 01	67	26	1.4	1.5	1.8	2.1	2.4	2.5	2.8	3.2	3.4	4.6	6.3	2.8	2.6	1.46
CHEYENNE SITE 01	66	26	1.1	1.3	1.4	1.4	1.7	2.0	2.3	2.5	2.8	3.3	3.7	2.1	2.0	1.44
	67	24	.5	.8	.8	.8	1.0	1.3	1.3	1.6	2.0	2.4	2.9	1.4	1.2	1.62
	66 67	50	.5	.8	1.0	1.3	1.4	1.5	1.8	2.1	2.4	2.8	3.7	1.8	1.6	1.53

*Data contributed by state or local agency.

Table 4-8. SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³														Std geo dev
			Min	Frequency distribution - percentile										Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90					
ARIZONA																	
GRAND CANYON NAT PK																	
SITE 01	66	25	.5	1.0	1.0	1.7	1.8	2.2	2.7	3.4	4.5	4.8	6.7	2.8	2.2	1.98	
	67	25	.0	.3	.3	.6	.7	.8	.8	.8	1.1	2.0	3.1	.9	.7	2.29	
	66 67	50	.0	.3	.6	.8	.8	1.1	1.7	2.0	3.1	4.5	6.7	1.9	1.3	2.14	
ARKANSAS																	
MONTGOMERY COUNTY																	
SITE 01	66	25	1.4	1.9	2.5	3.0	3.1	3.4	3.8	4.6	5.0	6.1	6.7	3.8	3.5	1.50	
	67	25	.8	1.3	1.6	2.4	2.9	3.6	3.9	4.4	4.5	6.5	8.7	3.6	3.0	1.88	
	66 67	50	.8	1.5	1.9	2.8	3.1	3.4	3.9	4.5	4.9	6.1	8.7	3.7	3.3	1.70	
CALIFORNIA																	
HUMBOLDT COUNTY																	
SITE 01	66	24	.9	1.3	1.6	1.7	1.8	2.0	2.2	2.5	3.2	4.0	4.9	2.3	2.1	1.55	
	67	25	.9	1.4	1.4	1.7	1.9	2.1	2.3	3.2	3.4	3.7	4.9	2.4	2.2	1.53	
	66 67	49	.9	1.3	1.6	1.7	1.9	2.1	2.3	2.9	3.4	3.7	4.9	2.4	2.2	1.54	
COLORADO																	
MESA VERDE NAT PK																	
SITE 01	66	25	.7	.8	1.1	1.3	1.5	1.8	1.9	2.2	2.4	2.5	4.4	1.9	1.7	1.58	
	67	24	.0	.0	.3	.3	.6	.6	.6	.6	.9	1.1	1.7	.6	.5	2.16	
	66 67	49	.0	.3	.6	.6	.7	1.1	1.3	1.7	2.1	2.4	4.4	1.3	.9	1.89	
DELAWARE																	
KENT COUNTY																	
SITE 01	66	25	4.1	4.4	4.7	5.8	7.3	8.6	9.6	11.8	13.1	19.4	24.7	10.1	8.8	1.73	
	67	25	3.6	5.0	6.1	7.8	8.1	10.4	12.2	13.6	14.6	17.9	22.0	10.9	9.8	1.64	
	66 67	50	3.6	4.4	5.5	6.9	7.8	8.6	10.8	13.1	14.6	17.9	24.7	10.5	9.3	1.69	
IDAHO																	
BUTTE COUNTY																	
SITE 01	67	25	.0	.3	.3	.5	.5	.5	.5	.7	.8	1.6	2.3	.7	.5	2.09	
INDIANA																	
MONROE COUNTY																	
SITE 01	66	22	.7	2.9	3.7	4.0	4.4	4.9	5.9	7.8	9.6	11.7	25.3	6.8	5.4	2.04	
	67	24	3.3	3.8	4.6	5.0	5.6	5.7	6.5	7.0	8.1	9.3	9.8	6.2	5.9	1.36	
	66 67	46	.7	3.3	4.0	4.6	5.0	5.7	5.9	7.8	8.1	9.8	25.3	6.5	5.7	1.73	
PARKE COUNTY																	
SITE 01	66	25	1.9	2.4	2.8	3.8	4.1	5.8	6.4	7.6	8.7	13.5	51.2	7.9	5.7	2.10	
	67	21	2.0	2.7	3.2	3.9	4.1	4.8	5.1	5.4	6.5	11.4	12.8	5.5	4.8	1.66	
	66 67	46	1.9	2.4	3.1	3.8	4.1	5.1	5.7	6.8	7.7	12.2	51.2	6.7	5.2	1.89	
IOWA																	
DELAWARE COUNTY																	
SITE 01	66	23	1.2	1.4	2.0	2.3	2.4	2.9	2.9	3.7	4.0	7.0	13.2	3.5	2.9	1.74	
MAINE																	
ACADIA NAT PK																	
SITE 01	66	24	2.4	2.9	3.1	3.8	4.2	4.4	4.9	5.5	6.3	9.3	14.0	5.4	4.8	1.57	
	67	20	1.0	2.3	2.8	3.4	3.6	4.4	5.1	6.3	6.5	8.6	28.4	6.2	4.7	2.02	
	66 67	44	1.0	2.7	3.0	3.6	4.2	4.4	5.1	6.0	6.5	9.3	28.4	5.8	4.8	1.81	
MARYLAND																	
CALVERT COUNTY																	
SITE 01	66	25	2.5	5.3	5.3	5.5	5.6	7.4	7.7	10.0	10.8	12.8	16.7	8.0	7.3	1.55	
	67	26	.6	3.6	5.6	6.1	7.2	7.4	8.6	9.7	13.5	15.2	21.4	8.9	7.4	2.03	
	66 67	51	.6	4.4	5.3	5.6	6.1	7.4	8.4	9.7	11.3	14.6	21.4	8.5	7.4	1.80	
MISSISSIPPI																	
JACKSON COUNTY																	
SITE 01	66	26	1.1	2.4	3.2	3.2	4.1	4.5	5.4	6.1	6.7	9.4	13.7	5.3	4.6	1.73	
	67	25	1.1	2.4	3.3	3.5	3.9	4.0	5.5	6.8	7.5	9.6	10.6	5.3	4.6	1.76	
	66 67	51	1.1	2.4	3.2	3.4	3.9	4.5	5.5	6.3	7.3	9.4	13.7	5.3	4.6	1.74	
MISSOURI																	
SHANNON COUNTY																	
SITE 01	66	24	1.5	2.2	3.4	3.7	3.9	4.4	4.6	5.2	6.0	6.2	14.1	4.7	4.2	1.58	
	67	24	.9	1.5	2.0	2.9	3.4	4.2	5.4	5.9	6.6	8.2	14.9	4.9	3.9	2.01	
	66 67	48	.9	2.0	2.4	3.4	3.9	4.4	4.7	5.4	6.0	7.5	14.9	4.8	4.1	1.80	
MONTANA																	
GLACIER NAT PK																	
SITE 01	66	24	.7	1.0	1.0	1.2	1.2	1.3	1.4	1.4	1.7	1.9	2.2	1.4	1.3	1.30	
	67	25	.3	.6	.6	.9	.9	.9	1.2	1.5	1.8	2.0	5.3	1.3	1.1	1.82	
	66 67	49	.3	.6	.9	.9	1.2	1.2	1.3	1.5	1.8	2.0	5.3	1.4	1.2	1.59	
NEBRASKA																	
THOMAS COUNTY																	
SITE 01	66	26	1.0	1.2	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.7	5.5	2.1	2.0	1.41	
	67	25	.3	.5	.7	.9	1.0	1.0	1.3	1.7	2.1	2.6	5.1	1.5	1.2	2.03	
	66 67	51	.3	.7	1.0	1.2	1.6	1.8	1.9	2.2	2.3	2.6	5.5	1.8	1.5	1.74	
NEVADA																	
WHITE PINE COUNTY																	
SITE 01	66	22	.9	.9	1.2	1.3	1.4	1.4	1.6	1.6	1.8	1.9	6.9	1.7	1.5	1.52	
	67	23	.0	.2	.2	.2	.5	.5	.5	.5	.9	1.0	1.5	.5	.4	2.10	
	66 67	45	.0	.2	.4	.5	.7	.9	1.2	1.4	1.6	1.8	6.9	1.1	.8	1.83	

*Data contributed by state or local agency.

Table 4-8 (continued). SULFATES, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
NEW HAMPSHIRE																
CCOS COUNTY																
SITE 01	66	26	1.8	2.5	3.1	3.4	3.7	3.9	4.8	6.5	8.4	13.3	15.3	5.9	4.9	1.86
	67	26	1.6	1.9	2.7	3.4	4.3	4.8	5.6	7.5	8.3	12.0	18.3	6.0	4.9	1.88
	66 67	52	1.6	2.3	2.9	3.4	3.8	4.4	5.4	6.6	8.4	12.0	18.3	6.0	4.9	1.87
NEW MEXICO																
RIO ARRIBA COUNTY																
SITE 01	66	24	1.1	1.2	1.6	1.8	1.9	1.9	2.1	2.4	2.7	2.9	3.1	2.1	2.0	1.34
	67	23	.3	.5	.5	.6	.6	.6	.8	.9	1.1	1.2	4.3	.9	.7	1.73
	66 67	47	.3	.5	.6	.8	1.1	1.2	1.7	1.9	2.3	2.9	4.3	1.5	1.2	1.55
NEW YORK																
JEFFERSON COUNTY																
SITE 01	66	26	1.9	2.4	2.7	3.1	3.6	3.9	5.3	7.7	9.4	14.2	21.2	6.5	5.1	2.02
	67	26	1.4	1.8	2.9	2.9	5.2	6.0	6.8	7.7	10.3	11.1	30.5	7.3	5.4	2.17
	66 67	52	1.4	2.2	2.7	3.1	3.6	5.2	6.3	7.7	10.3	12.8	30.5	6.9	5.2	2.09
NORTH CAROLINA																
CAPE HATTERAS																
SITE 01	66	23	1.6	2.8	4.7	4.9	5.8	6.4	7.5	8.7	12.0	17.9	28.9	8.4	6.7	2.00
	67	23	1.4	2.9	3.9	4.3	5.3	6.3	7.5	8.6	9.0	12.3	12.9	6.6	5.8	1.74
	66 67	46	1.4	2.8	3.9	4.7	5.7	6.3	7.5	8.6	9.2	12.9	28.9	7.5	6.2	1.87
OKLAHOMA																
CHEROKEE COUNTY																
SITE 01	66	26	1.6	2.2	2.7	2.7	4.0	4.3	4.8	6.7	7.0	8.0	9.7	4.8	4.3	1.67
	67	25	.7	1.2	1.8	2.9	3.2	3.6	4.2	5.5	6.3	6.9	15.6	4.4	3.5	2.03
	66 67	51	.7	1.8	2.7	2.8	3.4	4.2	4.5	6.2	6.8	7.5	15.6	4.6	3.9	1.85
OREGON																
CURRY COUNTY																
SITE 01	66	24	1.4	1.7	2.1	2.8	2.8	2.9	3.5	4.1	4.7	5.1	10.1	3.6	3.2	1.60
	67	25	.7	.9	1.4	1.8	2.1	2.7	2.8	3.2	3.5	4.7	4.8	2.6	2.3	1.71
	66 67	49	.7	1.4	1.8	2.1	2.7	2.8	3.2	3.5	4.5	4.8	10.1	3.1	2.7	1.66
PENNSYLVANIA																
CLARION COUNTY																
SITE 01	66	24	3.0	3.6	3.8	5.1	5.6	6.0	7.4	8.7	9.9	13.3	22.5	7.5	6.6	1.67
	67	24	3.0	3.6	3.6	5.3	5.9	9.1	9.9	11.3	14.7	19.4	26.3	9.7	8.0	1.90
	66 67	48	3.0	3.6	3.8	5.1	5.8	6.4	8.9	9.9	11.8	16.6	26.3	8.6	7.3	1.79
RHODE ISLAND																
WASHINGTON COUNTY																
SITE 01	66	23	2.5	4.0	4.0	4.6	5.4	6.1	7.3	9.1	9.9	11.7	26.2	7.7	6.6	1.71
	67	24	3.9	4.3	5.0	5.3	6.8	7.0	8.8	11.0	14.6	18.4	27.4	10.1	8.5	1.79
	66 67	47	2.5	4.0	4.5	5.1	6.0	6.8	8.6	9.5	11.7	16.2	27.4	8.9	7.5	1.75
SOUTH CAROLINA																
RICHLAND COUNTY																
SITE 01	66	26	1.6	3.0	3.3	3.8	4.2	4.8	5.2	5.8	5.8	7.9	19.5	5.4	4.8	1.60
	67	25	1.4	2.2	2.2	3.2	3.3	3.8	4.1	5.5	5.5	6.0	8.0	4.1	3.8	1.55
	66 67	51	1.4	2.2	3.0	3.3	3.8	4.2	5.0	5.5	5.8	6.8	19.5	4.8	4.2	1.58
SOUTH DAKOTA																
BLACK HILLS NAT FOR																
SITE 01	66	25	1.3	1.5	1.7	1.8	1.9	2.2	2.4	2.5	2.5	2.9	3.2	2.2	2.1	1.28
	67	25	.3	.5	.8	1.1	1.2	1.3	1.4	1.5	2.0	2.6	2.8	1.4	1.2	1.76
	66 67	50	.3	.8	1.2	1.4	1.5	1.8	2.0	2.3	2.5	2.7	3.2	1.8	1.6	1.55
TEXAS																
MATAGORDA COUNTY																
SITE 01	66	23	2.0	2.3	2.5	2.6	2.9	3.1	3.5	3.8	4.1	4.2	10.5	3.6	3.3	1.47
	67	25	.7	1.9	2.0	2.5	2.8	3.3	3.4	5.2	7.3	8.7	12.2	4.4	3.6	1.92
	66 67	48	.7	2.0	2.4	2.6	2.9	3.2	3.5	4.0	5.2	7.9	12.2	4.0	3.5	1.71
VERMONT																
ORANGE COUNTY																
SITE 01	66	26	1.2	2.6	3.8	4.0	4.6	4.9	5.4	6.0	9.2	11.3	12.5	5.9	5.2	1.75
	67	25	1.8	3.2	3.9	5.0	5.8	6.4	7.2	9.3	11.1	14.8	30.6	8.3	6.8	1.88
	66 67	51	1.2	3.2	3.9	4.5	5.0	5.7	6.1	8.3	10.2	12.5	30.6	7.1	5.9	1.82
VIRGINIA																
SHENANDOAH NAT PK																
SITE 01	66	25	2.0	2.4	3.4	3.7	4.6	5.2	5.7	6.6	8.0	9.4	12.5	5.7	5.1	1.63
	67	26	1.6	1.9	3.3	4.0	4.4	4.7	5.6	7.3	7.9	12.8	16.7	6.2	5.1	1.86
	66 67	51	1.6	2.4	3.4	4.0	4.5	5.1	5.7	6.7	8.0	9.8	16.7	6.0	5.1	1.75
WISCONSIN																
DOOR COUNTY																
SITE 01	67	20	.9	1.2	1.7	1.8	2.2	2.9	3.3	3.9	6.5	7.0	13.5	4.0	3.1	2.06
WYOMING																
YELLOWSTONE PARK																
SITE 01	66	25	.7	.9	1.5	1.5	1.7	1.7	2.0	2.1	2.2	2.7	3.1	1.8	1.7	1.45
	67	26	.3	.5	.5	.6	.8	1.0	1.0	1.1	1.4	1.7	1.9	1.0	.9	1.64
	66 67	51	.3	.5	.8	1.0	1.1	1.5	1.6	1.7	2.0	2.2	3.1	1.4	1.2	1.55

*Data contributed by state or local agency.

SECTION 5.

URBAN AND NONURBAN METALS

Table 5-1. ANTIMONY, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., μg/m³
ALASKA				
ANCHORAGE				
SITE 01	63	26	0	
CALIFORNIA				
BURBANK				
SITE 01	60	26	0	
LONG BEACH				
SITE 01	65	25	0	
LOS ANGELES				
SITE 01	60	25	0	
PASADENA				
SITE 01	60	25	0	
SAN JOSE				
SITE 01	63	26	0	
KANSAS				
KANSAS CITY				
SITE 01	62	24	0	
MINNESOTA				
ST. PAUL				
SITE 01	58	23	0	
MISSOURI				
KANSAS CITY				
SITE 01	63	24	0	
NEW JERSEY				
ELIZABETH				
SITE 01	62	25	0	
GLASSBORO				
SITE 01	63	25	0	
JERSEY CITY				
SITE 01	63	25	0	

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., μg/m³
NEW YORK				
GLEN COVE				
SITE 01	60	21	0	
MASSENA				
SITE 01	60	24	0	
NEW ROCHELLE				
SITE 01	60	25	0	
TROY				
SITE 01	60	21	0	
NORTH CAROLINA				
ASHEVILLE				
SITE 01	62	25	0	
OREGON				
MEDFORD				
SITE 01	61	22	0	
TEXAS				
FORT WORTH				
SITE 01	62	25	1	.064
HOUSTON				
SITE 01	63	22	1	.050
	65	25	1	.049
	SUM	47	2	.050
UTAH				
SALT LAKE CITY				
SITE 01	63	26	0	

Table 5-2. ANTIMONY, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collec-ted	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	24	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., μg/m³
		Collec-ted	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	0	
HAWAII				
KAHALUU				
SITE 02	63	26	0	
INDIANA				
PARKE COUNTY				
SITE 01	64	26	0	
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	1	.058

Table 5-3. BERYLLIUM 1966 URBAN QUARTERLY COMPOSITES[a]

($\mu g/m^3$)

	1st quarter	2nd quarter	3rd quarter	4th quarter	Year's average
ALABAMA					
Birmingham	0.0002	0.0002	0.0000	0.0004	0.0002
Mobile	0.0000	0.0000	0.0002	0.0000	0.0001
ILLINOIS					
Chicago	0.0003	0.0000	0.0003	0.0002	0.0002
INDIANA					
East Chicago	0.0003	0.0002	0.0004	0.0007	0.0004
Indianapolis	0.0000	0.0000	0.0004	0.0005	0.0002
KENTUCKY					
Ashland					
Covington	0.0005	0.0000	0.0002	0.0002	0.0002
Louisville	0.0000	0.0003	0.0000	0.0000	0.0001
MARYLAND					
Baltimore	0.0000	0.0000	0.0000	0.0003	0.0001
MICHIGAN					
Detroit	0.0000	0.0003	0.0002	0.0005	0.0003
NEW JERSEY					
Perth Amboy	0.0000	0.0000	0.0002	0.0000	0.0001
OHIO					
Akron	0.0000	0.0002	0.0003	0.0004	0.0002
Cincinnati	0.0000	0.0003	0.0000	0.0002	0.0001
Cleveland	0.0002	0.0002	0.0002	0.0000	0.0002
Dayton	0.0002	0.0002	0.0000	0.0002	0.0002
Youngstown	0.0002	0.0004	0.0009	0.0002	0.0004
PENNSYLVANIA					
Pittsburgh	0.0000	0.0000	0.0002	0.0000	0.0001
Reading	0.0004	0.0000	0.0005	0.0016	0.0006
Warminster	0.0003	0.0000	0.0000	0.0000	0.0001
VIRGINIA					
Danville	0.0002	0.0000	0.0000	0.0000	0.0001
WEST VIRGINIA					
Charleston	0.0004	0.0004	0.0006	0.0007	0.0005
WISCONSIN					
Milwaukee	0.0000	0.0000	0.0003	0.0000	0.0001

[a]Samples from all NASN monitoring sites were analyzed. The above table presents data only from those sites at which non-zero concentrations were detected.

Table 5-4. BERYLLIUM 1966 NONURBAN QUARTERLY COMPOSITES[a]

($\mu g/m^3$)

	1st quarter	2nd quarter	3rd quarter	4th quarter	Year's average
DELAWARE					
Kent County	0.00010	0.00000	0.00000	0.00013	0.00006
INDIANA					
Monroe County	0.00000	0.00000	0.00000	0.00009	0.00002
Parke County	0.00010	0.00000	0.00000	0.00019	0.00007
MARYLAND					
Calvert County	0.00007	0.00000	0.00000	0.00000	0.00002
MISSISSIPPI					
Jackson County	0.00009	0.00000	0.00000	0.00000	0.00002
NEW HAMPSHIRE					
Coos County	0.00000	0.00000	0.00010	0.00000	0.00003
NEW YORK					
Jefferson County	0.00000	0.00000	0.00009	0.00000	0.00002
VIRGINIA					
Shenandoah Nat Pk	0.00000	0.00001	0.00000	0.00000	0.00000

[a]Samples from all NASN monitoring sites were analyzed. The above table presents data only from those sites at which non-zero concentrations were detected.

Table 5-5. BISMUTH, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., $\mu g/m^3$
ALASKA				
ANCHORAGE				
SITE 01	63	26	0	
CALIFORNIA				
BURBANK				
SITE 01	60	26	0	
LONG BEACH				
SITE 01	65	25	0	
LOS ANGELES				
SITE 01	60	25	1	.002
PASADENA				
SITE 01	60	25	0	
SAN JOSE				
SITE 01	63	26	0	
KANSAS				
KANSAS CITY				
SITE 01	62	24	1	.003
MINNESOTA				
ST. PAUL				
SITE 01	58	23	0	
MISSOURI				
KANSAS CITY				
SITE 01	63	24	0	
NEW JERSEY				
ELIZABETH				
SITE 01	62	25	3	.002
GLASSBORO				
SITE 01	65	24	0	
JERSEY CITY				
SITE 01	63	25	2	.002
NEW YORK				
GLEN COVE				
SITE 01	60	21	1	.001
MASSENA				
SITE 01	60	24	0	
NEW ROCHELLE				
SITE 01	60	25	1	.001
TROY				
SITE 01	60	21	0	
NORTH CAROLINA				
ASHEVILLE				
SITE 01	62	24	0	
OREGON				
MEDFORD				
SITE 01	61	22	0	
TEXAS				
FORT WORTH				
SITE 01	62	25	1	.001
HOUSTON				
SITE 01	63	22	0	
	65	25	0	
	SUM	47	0	
UTAH				
SALT LAKE CITY				
SITE 01	63	26	0	

Table 5-6. BISMUTH, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collec-ted	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK SITE 01	63	26	2	.001
ARKANSAS				
MONTGOMERY COUNTY SITE 01	63	26	0	
CALIFORNIA				
HUMBOLDT COUNTY SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., µg/m³
		Collec-ted	Above detect. quan.	
FLORIDA				
MONROE COUNTY SITE 01	63	24	0	
HAWAII				
KAHALUU SITE 02	63	26	0	
INDIANA				
PARKE COUNTY SITE 01	64	26	2	.003
PUERTO RICO				
LOQUILLO MOUNTAINS SITE 01	59	26	0	

Table 5-7. CADMIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
CALIFORNIA																
BURBANK																
SITE 01	60	26	.000	.000	.000	.000	.000	.000	.000	.000	.011	.017	.031	.004	.002	3.42
LONG BEACH																
SITE 01	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.026	.002	.001	2.38
LOS ANGELES																
SITE 01	60	25	.000	.000	.000	.000	.000	.009	.011	.012	.015	.020	.029	.009	.005	3.77
PASADENA																
SITE 01	60	25	.000	.000	.000	.000	.009	.010	.010	.011	.011	.015	.018	.008	.005	3.36
SAN JOSE																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012	.000	.001	1.63
KANSAS																
KANSAS CITY																
SITE 01	62	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010	.017	.002	.002	2.58
MINNESOTA																
ST. PAUL																
SITE 01	58	23	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.011	.001	.001	2.18
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.000	.001	1.57
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.010	.025	.028	.005	.002	3.84
GLASSBORO																
SITE 01	65	24	.000	.000	.000	.000	.000	.000	.000	.000	.007	.011	.037	.004	.002	3.15
JERSEY CITY																
SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.010	.011	.019	.051	.007	.003	4.09
NEW YORK																
GLEN COVE																
SITE 01	60	21	.000	.000	.000	.000	.000	.000	.000	.000	.009	.019	.026	.004	.002	3.37
MASSENA																
SITE 01	60	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
NEW ROCHELLE																
SITE 01	60	25	.000	.000	.000	.000	.000	.010	.011	.013	.016	.040	.160	.017	.005	5.12
NEW																
TROY																
SITE 01	60	21	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.022	.002	.001	2.48
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	1.67
OREGON																
MEDFORD																
SITE 01	61	22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	2.08
TEXAS																
FT WORTH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.014	.066	.005	.002	3.33
HOUSTON																
SITE 01	63	22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
	63 65	47	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
UTAH																
SALT LAKE CITY																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.013	.001	.001	1.65

*Data contributed by state or local agency.

Table 5-8. CADMIUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collec-ted	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	26	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collec-ted	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	0	
HAWAII				
KAHALUU				
SITE 02	63	26	0	
INDIANA				
PARKE COUNTY				
SITE 01	64	26	0	
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	1	.043

Table 5-9. CHROMIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.007	.001	.001	1.87
CALIFORNIA																
BURBANK																
SITE 01	60	26	.000	.014	.015	.015	.019	.020	.024	.040	.043	.051	.068	.028	.022	2.28
LONG BEACH																
SITE 01	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.005	.001	.001	1.71
LOS ANGELES																
SITE 01	60	25	.000	.014	.017	.023	.028	.031	.033	.037	.039	.043	.057	.030	.026	2.18
PASADENA																
SITE 01	60	25	.008	.010	.012	.016	.020	.025	.025	.027	.039	.051	.058	.027	.023	1.80
SAN JOSE																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.006	.010	.014	.002	.002	2.68
KANSAS																
KANSAS CITY																
SITE 01	62	24	.000	.000	.000	.000	.000	.000	.005	.005	.011	.015	.067	.006	.003	3.61
MINNESOTA																
ST. PAUL																
SITE 01	58	23	.000	.005	.006	.007	.008	.008	.009	.011	.011	.016	.024	.009	.008	2.11
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.008	.001	.001	2.10
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.007	.007	.017	.045	.006	.002	3.71
GLASSBORO																
SITE 01	65	24	.000	.000	.000	.000	.000	.000	.000	.004	.005	.007	.014	.003	.002	2.53
JERSEY CITY																
SITE 01	63	25	.000	.000	.000	.000	.000	.008	.009	.016	.021	.030	.082	.013	.005	4.47
NEW YORK																
GLEN COVE																
SITE 01	60	21	.000	.000	.005	.006	.007	.008	.009	.010	.016	.025	.029	.010	.007	2.69
MASSENA																
SITE 01	60	24	.000	.000	.004	.005	.007	.008	.010	.011	.016	.024	.038	.010	.007	2.87
NEW ROCHELLE																
SITE 01	60	25	.000	.005	.005	.006	.008	.012	.021	.034	.040	.053	.065	.021	.013	3.21
TROY																
SITE 01	60	21	.000	.000	.005	.006	.008	.011	.012	.015	.025	.032	.053	.015	.008	3.48
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
OREGON																
MEDFORD																
SITE 01	61	22	.022	.031	.034	.037	.041	.044	.048	.052	.063	.070	.096	.048	.045	1.41
TEXAS																
FT WORTH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.005	.005	.011	.014	.003	.002	2.68
HOUSTON																
SITE 01	63	22	.000	.000	.000	.000	.000	.000	.000	.000	.006	.008	.025	.003	.002	2.89
	65	25	.000	.000	.000	.000	.000	.000	.000	.000	.005	.014	.100	.006	.002	3.50
	63 65	47	.000	.000	.000	.000	.000	.000	.000	.000	.005	.014	.100	.005	.002	3.19
UTAH																
SALT LAKE CITY																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.011	.002	.001	2.31

*Data contributed by state or local agency.

Table 5-10. CHROMIUM NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev.
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
ARKANSAS																
MONTGOMERY COUNTY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.002	.004	.009	.011	.021	.004	.002	2.91
CALIFORNIA																
HUMBOLT COUNTY SITE 01	63	22	.000	.000	.000	.000	.000	.000	.002	.002	.006	.007	.019	.003	.002	2.71
COLORADO																
MESA VERDE NAT PK SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
FLORIDA																
MONROE COUNTY SITE 01	63	24	.000	.002	.003	.004	.006	.006	.008	.010	.016	.024	.036	.010	.006	2.67
HAWAII																
KAHALUI SITE 02	63	26	.000	.000	.000	.000	.000	.000	.000	.002	.003	.008	.009	.002	.002	2.12
INDIANA																
PARKE COUNTY SITE 01	64	26	.000	.000	.000	.008	.008	.009	.009	.011	.011	.011	.013	.007	.006	2.67
PUERTO RICO																
LOGUILLO VTS SITE 01	59	26	.012	.014	.020	.020	.024	.024	.028	.032	.037	.040	.270	.037	.028	1.84

*Data contributed by state or local agency.

Table 5-11. COBALT, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
ALASKA				
ANCHORAGE				
SITE 01	63	26	0	
CALIFORNIA				
BURBANK				
SITE 01	60	26	0	
LONG BEACH				
SITE 01	65	25	0	
LOS ANGELES				
SITE 01	60	25	0	
PASADENA				
SITE 01	60	25	1	.008
SAN JOSE				
SITE 01	63	26	0	
KANSAS				
KANSAS CITY				
SITE 01	62	24	0	
MINNESOTA				
ST. PAUL				
SITE 01	58	23	0	
MISSOURI				
KANSAS CITY				
SITE 01	63	24	0	
NEW JERSEY				
ELIZABETH				
SITE 01	62	25	1	.007
GLASSBORO				
SITE 01	65	24	0	
JERSEY CITY				
SITE 01	63	25	0	

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., µg/m³
NEW YORK				
GLEN COVE				
SITE 01	60	21	0	
MASSENA				
SITE 01	60	24	0	
NEW ROCHELLE				
SITE 01	60	25	0	
TROY				
SITE 01	60	21	0	
NORTH CAROLINA				
ASHEVILLE				
SITE 01	62	24	0	
OREGON				
MEDFORD				
SITE 01	61	22	0	
TEXAS				
FORT WORTH				
SITE 01	62	25	0	
HOUSTON				
SITE 01	63	22	0	
	65	25	0	
	SUM	47	0	
UTAH				
SALT LAKE CITY				
SITE 01	63	26	0	

Table 5-12. COBALT, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collec-ted	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	26	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., µg/m³
		Collec-ted	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	0	
HAWAII				
KAHALUU				
SITE 02	63	26	0	
INDIANA				
PARKE COUNTY				
SITE 01	64	26	0	
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	1	.008

Table 5-13. COPPER, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.03	.03	.03	.04	.05	.06	.07	.10	.10	.13	.13	.07	.06	1.71
CALIFORNIA																
BURBANK																
SITE 01	60	26	.05	.05	.07	.08	.09	.11	.15	.17	.17	.23	.54	.14	.12	1.79
LONG BEACH																
SITE 01	65	25	.00	.01	.01	.02	.03	.04	.04	.05	.06	.06	.11	.04	.03	2.06
LOS ANGELES																
SITE 01	60	25	.03	.04	.05	.06	.07	.08	.10	.11	.12	.15	.25	.09	.08	1.68
PASADENA																
SITE 01	60	25	.07	.09	.11	.13	.14	.21	.24	.28	.31	.35	.49	.22	.19	1.72
SAN JOSE																
SITE 01	63	26	.04	.04	.07	.08	.09	.11	.13	.15	.24	.51	1.20	.21	.14	2.34
KANSAS																
KANSAS CITY																
SITE 01	62	24	.00	.01	.02	.02	.02	.03	.04	.04	.05	.05	.08	.03	.03	1.84
MINNESOTA																
ST PAUL																
SITE 01	58	23	.01	.02	.02	.03	.03	.03	.04	.04	.04	.06	.06	.03	.03	1.55
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.03	.01	.01	1.33
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.04	.06	.07	.10	.11	.12	.13	.15	.17	.28	.62	.15	.13	1.84
GLASSBORO																
SITE 01	65	24	.00	.03	.04	.04	.05	.06	.08	.10	.11	.13	.24	.08	.06	2.14
JERSEY CITY																
SITE 01	63	25	.02	.04	.05	.06	.06	.09	.12	.15	.17	.25	.79	.14	.10	2.21
NEW YORK																
NASSAU																
SITE 01	60	24	.01	.01	.01	.02	.02	.02	.03	.03	.03	.05	.42	.04	.02	2.36
NEW ROCHELLE																
SITE 01	60	25	.02	.03	.04	.07	.09	.10	.12	.14	.20	.30	.68	.15	.10	2.40
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.09	.05	.04	1.44
OREGON																
MEDFORD																
SITE 01	61	22	.01	.02	.03	.03	.03	.03	.04	.04	.04	.05	.07	.04	.03	1.54
TEXAS																
FT WORTH																
SITE 01	62	25	.03	.04	.04	.06	.07	.07	.08	.09	.11	.15	.54	.11	.08	2.02
HOUSTON																
SITE 01	63	22	.01	.03	.04	.05	.06	.07	.08	.12	.14	.15	.18	.08	.07	2.11
	65	25	.03	.08	.10	.11	.15	.19	.19	.21	.23	.35	.42	.19	.16	1.83
	63 65	47	.01	.03	.06	.08	.10	.12	.15	.18	.20	.25	.42	.14	.10	1.97
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.00	.00	.01	.03	.04	.05	.05	.06	.08	.14	.19	.06	.04	2.58
	63	26	.05	.07	.08	.10	.12	.13	.14	.17	.18	.27	.37	.15	.13	1.69
	64	24	.00	.04	.06	.07	.07	.08	.08	.09	.10	.11	.15	.08	.07	1.77
	58 64	74	.00	.02	.05	.06	.07	.08	.09	.11	.14	.18	.37	.10	.07	2.03

*Data contributed by state or local agency.

Table 5-14. COPPER, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	63	26	.01	.01	.01	.01	.01	.01	.02	.03	.03	.05	.15	.03	.02	2.11
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	63	24	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.04	.01	.01	1.33
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	63	22	.01	.01	.01	.02	.02	.02	.02	.03	.04	.05	.08	.03	.02	1.88
COLORADO																
MESA VERDE NAT PK																
SITE 01	63	25	.00	.00	.00	.01	.01	.02	.02	.02	.03	.03	.07	.02	.02	1.76
FLORIDA																
MONROE COUNTY																
SITE 01	63	24	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.04	.01	.01	1.46
HAWAII																
KAHALUU																
SITE 02	63	26	.00	.01	.02	.02	.02	.02	.02	.03	.03	.07	.23	.03	.02	2.09
INDIANA																
PARKE COUNTY																
SITE 01	64	26	.01	.01	.02	.02	.02	.02	.03	.04	.05	.10	.17	.04	.03	2.12
PUERTO RICO																
LOQUILLO MTS																
SITE 01	59	26	.00	.00	.00	.01	.02	.02	.03	.04	.04	.06	.14	.03	.02	2.13

*Data contributed by state or local agency.

Table 5-15. IRON, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	24	.1	.2	.3	.6	.8	1.0	1.6	2.6	3.0	5.3	6.7	1.9	1.0	3.40
CALIFORNIA																
BURBANK																
SITE 01	60	26	.6	.9	1.4	1.5	1.7	2.0	2.3	3.3	3.5	4.3	4.8	2.5	2.1	1.85
LONG BEACH																
SITE 01	65	26	.6	.3	.4	.7	.9	.9	1.0	1.0	1.4	1.5	2.1	.9	.8	2.06
LOS ANGELES																
SITE 01	60	25	.5	1.2	1.5	1.7	1.8	2.3	2.9	3.9	5.0	6.0	8.8	3.2	2.6	1.99
PASADENA																
SITE 01	60	25	.3	.4	.6	1.3	1.4	1.5	2.5	2.6	3.7	4.8	9.5	2.4	1.7	2.54
SAN JOSE																
SITE 01	63	28	.3	.3	.5	.7	.7	.8	1.2	1.4	1.7	3.2	8.8	1.5	1.0	2.31
KANSAS																
KANSAS CITY																
SITE 01	62	24	.2	.6	.8	.9	.9	1.1	1.3	1.5	2.1	2.7	4.1	1.4	1.2	1.99
MINNESOTA																
ST PAUL																
SITE 01	58	23	.6	.7	.8	.9	1.1	1.2	1.4	1.6	2.0	3.2	4.7	1.5	1.3	1.73
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.1	.2	.4	.8	.9	1.0	1.2	1.2	1.6	1.9	2.6	1.1	.8	2.39
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.1	.4	.7	.7	.8	1.1	1.2	2.0	2.4	3.4	4.3	1.5	1.1	2.43
GLASSBORO																
SITE 01	65	24	.0	.1	.2	.3	.5	.5	.6	.6	.8	1.0	2.2	.6	.4	2.27
JERSEY CITY																
SITE 01	63	25	.3	.5	.6	.8	1.0	1.5	1.6	1.7	1.8	2.6	3.8	1.4	1.2	1.92
NEW YORK																
MASSENA																
SITE 01	60	24	.1	.2	.3	.3	.4	.5	.6	.8	1.3	1.3	2.4	.7	.5	2.21
NEW ROCHELLE																
SITE 01	60	25	.0	.4	.4	.6	.7	1.2	1.6	2.1	3.4	4.4	11.0	2.0	1.2	2.93
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.2	.2	.3	.5	.5	.6	.7	.8	.8	1.1	1.3	.6	.6	1.80
OREGON																
MEDFORD																
SITE 01	61	22	.5	.7	1.1	1.2	1.3	1.5	2.6	2.8	3.0	3.4	7.1	2.2	1.8	1.96
TEXAS																
FT WORTH																
SITE 01	62	25	.0	.2	.3	.5	.5	.6	.7	.7	1.7	3.2	4.3	1.1	.7	2.76
HOUSTON																
SITE 01	63	22	.0	.2	.3	.4	.5	.7	1.0	1.0	1.3	3.2	4.1	1.1	.7	2.67
	65	25	.2	.4	.4	.6	.7	.8	.9	1.1	1.2	2.3	3.0	1.0	.8	1.93
	63 65	47	.0	.3	.4	.5	.6	.7	1.0	1.1	1.3	2.5	4.1	1.1	.8	2.30
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.5	.6	.6	.7	.9	1.1	1.3	1.6	2.0	2.1	4.4	1.4	1.1	1.80
	63	26	.0	.2	.4	.5	.7	.7	.8	1.3	1.4	2.2	4.3	1.0	.8	2.35
	64	24	.2	.3	.4	.5	.7	.8	.9	1.1	1.2	1.5	2.1	.9	.7	1.81
	58 64	74	.0	.4	.5	.6	.7	.8	1.1	1.2	1.6	2.1	4.4	1.1	.9	1.99

*Data contributed by state or local agency.

Table 5-16. IRON, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m³													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	63	26	.0	.0	.0	.0	.1	.1	.1	.1	.2	.4	.5	.1	.1	1.72
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	63	24	.0	.1	.1	.1	.1	.2	.2	.2	.3	.4	.5	.2	.2	1.75
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	63	22	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.8	.1	.1	1.77
COLORADO																
MESA VERDE NAT PK																
SITE 01	63	25	.0	.0	.0	.0	.0	.0	.1	.3	.3	.4	.5	.1	.2	1.92
FLORIDA																
MONROE COUNTY																
SITE 01	63	24	.0	.0	.0	.0	.0	.1	.1	.2	.2	.3	.8	.1	.1	1.81
HAWAII																
KAHALUU																
SITE 02	63	26	.0	.1	.1	.2	.2	.2	.3	.4	.5	.8	1.1	.3	.3	2.03
INDIANA																
PARKE COUNTY																
SITE 01	64	26	.1	.2	.4	.5	.5	.6	.6	.6	.7	.8	.8	.5	.5	1.75
PUERTO RICO																
LOQUILLO MTS																
SITE 01	59	26	.3	.4	.4	.5	.7	.8	1.2	1.7	1.8	2.8	4.9	1.2	.9	2.21

*Data contributed by state or local agency.

Table 5-17. LEAD, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.0	.0	.1	.1	.1	.1	.2	.2	.3	.5	.7	.2	.2	1.91
CALIFORNIA																
BURBANK																
SITE 01	60	24	.4	.4	.8	1.2	1.4	1.6	1.8	2.9	4.3	7.1	13.0	2.8	1.8	2.59
LONG BEACH																
SITE 01	65	25	.1	.3	.3	.4	.6	.9	1.1	1.6	2.1	2.6	5.2	1.2	.8	2.56
LOS ANGELES																
SITE 01	60	25	.3	.5	1.0	1.6	1.8	2.2	2.8	3.1	3.6	4.9	7.2	2.6	2.0	2.25
PASADENA																
SITE 01	60	25	.4	.8	.8	1.0	1.1	1.3	1.8	2.1	2.5	4.0	5.5	1.8	1.4	1.97
SAN JOSE																
SITE 01	63	26	.1	.2	.3	.3	.4	.4	.5	.7	.9	2.2	3.0	.8	.5	2.45
KANSAS																
KANSAS CITY																
SITE 01	62	24	.0	.0	.0	.1	.1	.1	.2	.2	.2	.3	.7	.2	.2	1.74
MINNESOTA																
ST PAUL																
SITE 01	58	23	.1	.2	.2	.2	.2	.2	.2	.3	.3	.8	1.9	.4	.3	1.98
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.0	.0	.1	.1	.1	.1	.1	.2	.2	.2	.2	.1	.1	1.40
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.1	.1	.2	.3	.3	.5	.5	.8	1.1	1.7	1.9	.6	.4	2.45
GLASSBORO																
SITE 01	65	24	.0	.1	.1	.1	.2	.2	.3	.3	.4	.6	.9	.3	.2	1.96
JERSEY CITY																
SITE 01	63	25	.0	.2	.4	.4	.6	.7	.8	.9	1.1	1.4	1.6	.7	.6	1.97
NEW YORK																
MASSENA																
SITE 01	60	24	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2	.3	.1	.1	1.37
NEW ROCHELLE																
SITE 01	60	25	.2	.3	.5	.6	.7	1.0	1.3	1.7	2.4	3.7	16.0	2.0	1.1	2.76
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.3	.3	.4	.4	.5	.5	.6	.6	.7	.9	2.6	.6	.5	1.64
OREGON																
MEDFORD																
SITE 01	61	22	.0	.1	.2	.2	.2	.2	.3	.3	.4	.5	.7	.3	.2	1.67
TEXAS																
FT WORTH																
SITE 01	62	25	.1	.3	.5	.6	.6	.6	.7	1.4	1.7	2.5	4.7	1.1	.8	2.34
HOUSTON																
SITE 01	63	22	.1	.2	.2	.3	.3	.4	.6	1.0	1.1	1.2	1.5	.6	.5	2.32
	65	25	.2	.3	.4	.6	.6	.7	.7	.9	1.0	1.2	2.3	.8	.7	1.81
	63 65	47	.1	.2	.3	.4	.6	.6	.7	.9	1.1	1.2	2.3	.7	.6	2.07
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.0	.0	.0	.1	.1	.1	.2	.3	.4	.4	.8	.2	.2	1.94
	63	26	.0	.0	.1	.2	.2	.2	.3	.4	.5	.6	.8	.3	.3	2.02
	64	24	.1	.2	.2	.3	.3	.4	.5	.6	.7	.9	1.4	.5	.4	1.88
	58 64	74	.0	.0	.1	.2	.2	.3	.3	.4	.5	.7	1.4	.3	.3	1.95

*Data contributed by state or local agency.

Table 5-18. LEAD, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	63	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.1	1.15
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	63	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	63	22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
COLORADO																
MESA VERDE NAT PK																
SITE 01	63	25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
FLORIDA																
MONROE COUNTY																
SITE 01	63	24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
HAWAII																
KAHALUU																
SITE 02	63	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00
INDIANA																
PARKE COUNTY																
SITE 01	64	26	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	.1	1.21
PUERTO RICO																
LOQUILLO MTS																
SITE 01	59	26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.00

*Data contributed by state or local agency.

Table 5-19. MANGANESE, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	24	.00	.00	.00	.01	.02	.02	.03	.04	.08	.12	.18	.04	.03	2.62
CALIFORNIA																
BURBANK																
SITE 01	60	24	.00	.02	.03	.03	.04	.04	.06	.06	.07	.08	.14	.05	.04	1.82
LONG BEACH																
SITE 01	65	25	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.01	.01	1.56
LOS ANGELES																
SITE 01	60	25	.00	.02	.03	.03	.03	.04	.04	.06	.06	.08	.11	.05	.04	1.75
PASADENA																
SITE 01	60	25	.00	.01	.01	.02	.04	.04	.04	.05	.06	.07	.38	.05	.04	2.41
SAN JOSE																
SITE 01	63	26	.00	.00	.01	.02	.02	.03	.03	.04	.05	.06	.09	.03	.03	1.94
KANSAS																
KANSAS CITY																
SITE 01	62	24	.01	.02	.02	.02	.03	.03	.04	.05	.07	.07	.17	.05	.03	2.02
MINNESOTA																
ST PAUL																
SITE 01	58	23	.02	.02	.03	.03	.04	.05	.05	.06	.06	.08	.09	.05	.04	1.60
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.00	.00	.01	.02	.02	.03	.03	.04	.06	.07	.21	.04	.03	2.15
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.00	.00	.01	.02	.02	.02	.03	.05	.05	.13	.15	.04	.03	2.28
GLASSBORO																
SITE 01	65	24	.00	.00	.02	.02	.02	.02	.02	.03	.05	.07	.09	.03	.03	1.97
JERSEY CITY																
SITE 01	63	25	.00	.00	.01	.02	.03	.03	.03	.04	.04	.07	.10	.03	.03	1.94
NEW YORK																
MASSENA																
SITE 01	60	24	.00	.00	.01	.01	.01	.02	.02	.02	.03	.04	.07	.02	.02	1.84
NEW ROCHELLE																
SITE 01	60	25	.01	.01	.01	.02	.02	.03	.03	.04	.05	.06	.11	.03	.03	2.03
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.00	.00	.01	.01	.02	.02	.02	.02	.02	.04	.05	.02	.02	1.68
OREGON																
MEDFORD																
SITE 01	61	22	.04	.05	.07	.10	.11	.12	.15	.16	.17	.20	.37	.13	.12	1.72
TEXAS																
FT WORTH																
SITE 01	62	25	.01	.01	.01	.02	.02	.02	.02	.04	.05	.08	.13	.04	.03	2.18
HOUSTON																
SITE 01	63	22	.01	.01	.01	.02	.02	.02	.03	.06	.11	.27	.45	.08	.04	3.31
	65	25	.00	.01	.02	.03	.03	.04	.05	.08	.08	.09	.57	.07	.04	2.55
	63 65	47	.00	.01	.02	.02	.02	.03	.04	.07	.08	.19	.57	.08	.04	2.93
UTAH																
SALT LAKE CITY																
SITE 01	58	74	.00	.00	.02	.02	.03	.03	.04	.05	.08	.10	.13	.04	.03	2.18
	63	76	.00	.01	.02	.02	.02	.02	.03	.04	.05	.07	.12	.03	.03	1.94
	64	24	.00	.00	.01	.01	.02	.02	.02	.03	.03	.04	.05	.02	.02	1.79
	58 64	74	.00	.00	.01	.02	.02	.02	.03	.04	.05	.07	.13	.03	.03	1.97

*Data contributed by state or local agency.

Table 5-20. MANGANESE, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, µg/m3													Std geo dev*
				Frequency distribution - percentile												
			Min	10	20	30	40	50	60	70	80	90	Max	Arith mean	Geo mean	
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	1.00
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.00	1.00
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
COLORADO																
MESA VERDE NAT PK																
SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
FLORIDA																
MONROE COUNTY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	1.00
HAWAII																
KAHALUU																
SITE 02	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.15
INDIANA																
PARKE COUNTY																
SITE 01	64	26	.00	.00	.01	.01	.02	.02	.02	.03	.03	.03	.05	.02	.02	1.71
PUERTO RICO																
LOQUILLO MTS																
SITE 01	59	26	.00	.00	.00	.00	.00	.00	.00	.02	.03	.04	.08	.01	.02	1.89

*Data contributed by state or local agency.

Table 5-21. MOLYBDENUM, URBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., μg/m³
ALASKA				
ANCHORAGE				
SITE 01	63	26	0	
CALIFORNIA				
BURBANK				
SITE 01	60	26	3	0.04
LONG BEACH				
SITE 01	65	25	0	
LOS ANGELES				
SITE 01	60	25	8	0.01
PASADENA				
SITE 01	60	25	1	0.01
SAN JOSE				
SITE 01	63	26	1	0.01
KANSAS				
KANSAS CITY				
SITE 01	62	24	1	0.01
MINNESOTA				
ST. PAUL				
SITE 01	58	23	0	
MISSOURI				
KANSAS CITY				
SITE 01	63	24	0	
NEW JERSEY				
ELIZABETH				
SITE 01	62	25	2	0.01
GLASSBORO				
SITE 01	65	24	0	
JERSEY CITY				
SITE 01	63	25	1	0.01

Station location	Year	No. of samples: Collected	No. of samples: Above detect. quan.	Max. conc., μg/m³
NEW YORK				
GLEN COVE				
SITE 01	60	21	2	0.01
MASSENA				
SITE 01	60	24	1	0.01
NEW ROCHELLE				
SITE 01	60	25	2	0.01
TROY				
SITE 01	60	21	2	0.04
NORTH CAROLINA				
ASHEVILLE				
SITE 01	62	25	0	
OREGON				
MEDFORD				
SITE 01	61	22	0	
TEXAS				
FORT WORTH				
SITE 01	62	25	3	0.02
HOUSTON				
SITE 01	63	22	4	0.02
	65	25	4	0.02
	SUM	47	8	0.02
UTAH				
SALT LAKE CITY				
SITE 01	63	26	5	0.03

Table 5-22. MOLYBDENUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	26	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., $\mu g/m^3$
		Collected	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	0	
HAWAII				
KAHALUU				
SITE 02	63	26	0	
INDIANA				
PARKE COUNTY				
SITE 01	64	26	1	0.01
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	0	

Table 5-23. NICKEL, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.000	.000	.007	.009	.012	.017	.018	.021	.026	.033	.038	.016	.011	3.15
CALIFORNIA																
BURBANK																
SITE 01	60	26	.013	.016	.018	.019	.024	.030	.033	.043	.050	.070	.079	.034	.030	1.69
LONG BEACH																
SITE 01	65	25	.000	.006	.012	.016	.017	.020	.023	.025	.031	.042	.068	.023	.017	2.75
LOS ANGELES																
SITE 01	60	25	.012	.015	.016	.022	.023	.029	.037	.048	.058	.091	.100	.040	.033	1.91
PASADENA																
SITE 01	60	25	.009	.015	.018	.020	.020	.021	.024	.042	.043	.058	.210	.038	.028	1.97
SAN JOSE																
SITE 01	63	26	.000	.000	.005	.007	.008	.008	.012	.014	.022	.030	.051	.013	.008	3.26
KANSAS																
KANSAS CITY																
SITE 01	62	24	.000	.000	.005	.007	.007	.007	.008	.010	.017	.017	.021	.009	.006	2.59
MINNESOTA																
ST. PAUL																
SITE 01	58	23	.006	.007	.008	.008	.010	.011	.011	.013	.016	.020	.026	.012	.011	1.48
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.000	.000	.000	.005	.007	.007	.008	.009	.012	.021	.028	.008	.005	3.12
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.011	.018	.021	.024	.024	.032	.038	.045	.049	.073	.220	.047	.035	1.99
GLASSBORO																
SITE 01	65	24	.000	.000	.006	.009	.010	.012	.014	.015	.025	.030	.051	.015	.010	2.90
JERSEY CITY																
SITE 01	63	25	.011	.022	.027	.030	.035	.045	.050	.063	.064	.110	.150	.054	.045	1.86
NEW YORK																
GLEN COVE																
SITE 01	60	21	.005	.008	.011	.012	.013	.015	.016	.021	.046	.071	.100	.028	.019	2.40
MASSENA																
SITE 01	60	24	.000	.000	.000	.000	.006	.007	.008	.008	.012	.016	.051	.009	.005	3.53
NEW ROCHELLE																
SITE 01	60	25	.011	.014	.017	.021	.035	.037	.048	.063	.076	.110	.420	.064	.040	2.48
NEW YORK																
TROY																
SITE 01	60	21	.006	.010	.011	.012	.014	.017	.017	.019	.024	.040	.052	.020	.017	1.74
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006	.010	.001	.001	2.01
OREGON																
MEDFORD																
SITE 01	61	22	.012	.014	.020	.022	.024	.026	.033	.039	.040	.052	.070	.031	.028	1.60
TEXAS																
FT WORTH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.006	.008	.012	.029	.004	.002	3.13
HOUSTON																
SITE 01	63	22	.000	.000	.000	.000	.000	.005	.007	.010	.014	.024	.039	.008	.004	3.93
	65	25	.000	.000	.000	.000	.000	.005	.005	.007	.010	.022	.060	.009	.004	4.00
	63 65	47	.000	.000	.000	.000	.000	.005	.006	.008	.014	.024	.060	.009	.004	3.97
UTAH																
SALT LAKE CITY																
SITE 01	63	26	.000	.000	.000	.000	.000	.006	.008	.010	.012	.020	.028	.007	.004	3.64

*Data contributed by state or local agency.

Table 5-24. NICKEL, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA GRAND CANYON NAT PK SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.002	.003	.003	.001	.001	1.49
ARKANSAS MONTGOMERY COUNTY SITE 01	63	24	.000	.000	.000	.000	.000	.000	.002	.002	.003	.004	.007	.001	.002	1.84
CALIFORNIA HUMBOLDT COUNTY SITE 01	63	22	.000	.000	.000	.000	.000	.002	.003	.003	.004	.008	.010	.003	.002	2.21
COLORADO MESA VERDE NAT PK SITE 01	63	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.00
FLORIDA MONROE COUNTY SITE 01	63	24	.003	.004	.005	.009	.011	.011	.014	.017	.024	.026	.034	.014	.011	2.05
HAWAII KAHALUI SITE 02	63	26	.001	.000	.000	.000	.002	.003	.004	.006	.007	.010	.038	.005	.003	2.90
INDIANA PARKE COUNTY SITE 01	64	26	.005	.006	.006	.006	.006	.007	.007	.008	.008	.009	.014	.007	.007	1.57
PUERTO RICO LOQUILLO MTS SITE 01	59	26	.011	.012	.012	.013	.014	.015	.017	.020	.023	.170	.760	.062	.023	2.94

*Data contributed by state or local agency.

Table 5-25. TIN, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA																
BURBANK																
SITE 01	60	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.15
LONG BEACH																
SITE 01	65	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
LOS ANGELES																
SITE 01	60	25	.02	.02	.03	.03	.04	.04	.06	.06	.07	.07	.08	.05	.04	1.60
PASADENA																
SITE 01	60	25	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.00	.01	1.15
SAN JOSE																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
KANSAS																
KANSAS CITY																
SITE 01	62	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
MINNESOTA																
ST PAUL																
SITE 01	58	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	1.16
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.01	.01	1.41
GLASSBORO																
SITE 01	65	24	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.03	.01	.01	1.33
JERSEY CITY																
SITE 01	63	25	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.01	1.40
NEW YORK																
MASSENA																
SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	1.00
NEW ROCHELLE																
SITE 01	60	25	.00	.00	.00	.01	.01	.01	.01	.03	.03	.07	.10	.02	.02	2.18
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
OREGON																
MEDFORD																
SITE 01	61	22	.00	.00	.00	.00	.00	.00	.02	.02	.03	.04	.09	.02	.02	1.91
TEXAS																
FT WORTH																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.00	.01	1.15
HOUSTON																
SITE 01	63	22	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.03	.01	.01	1.43
	65	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.01	1.15
	63 65	47	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.01	.01	1.31
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.00	.00	.02	.02	.03	.03	.04	.04	.05	.06	.08	.03	.03	1.76
	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.01	1.15
	64	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
	58 64	74	.00	.00	.00	.00	.00	.00	.00	.01	.03	.04	.08	.01	.00	1.40

*Data contributed by state or local agency.

Table 5-26. TIN, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	0	
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	26	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	0	
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., µg/m³
		Collected	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	0	
HAWAII				
KAHALUU				
SITE 02	63	26	0	
INDIANA				
PARKE COUNTY				
SITE 01	64	26	1	0.01
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	0	

Table 5-27. TITANIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.00	.00	.01	.02	.03	.04	.06	.09	.14	.23	.31	.08	.04	3.28
CALIFORNIA																
BURBANK																
SITE 01	60	26	.00	.03	.05	.06	.08	.08	.10	.14	.17	.20	.38	.11	.08	2.28
LONG BEACH																
SITE 01	65	25	.00	.01	.01	.03	.03	.04	.04	.04	.05	.08	.10	.04	.03	2.08
LOS ANGELES																
SITE 01	60	25	.01	.05	.06	.07	.08	.10	.10	.14	.22	.24	.48	.13	.10	2.19
PASADENA																
SITE 01	60	25	.00	.00	.01	.03	.04	.06	.06	.08	.12	.18	.44	.08	.05	3.01
SAN JOSE																
SITE 01	63	26	.00	.00	.01	.01	.02	.02	.03	.04	.05	.08	.12	.03	.02	2.32
KANSAS																
KANSAS CITY																
SITE 01	62	24	.00	.00	.01	.02	.02	.02	.02	.02	.04	.07	.11	.03	.02	1.99
MINNESOTA																
ST PAUL																
SITE 01	58	23	.00	.00	.00	.01	.01	.01	.01	.02	.02	.05	.06	.02	.02	1.83
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.00	.00	.01	.01	.01	.01	.02	.03	.03	.04	.05	.02	.02	1.81
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.04	.01	.01	1.54
GLASSBORO																
SITE 01	65	24	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02	.05	.01	.01	1.65
JERSEY CITY																
SITE 01	63	25	.00	.00	.00	.00	.01	.01	.01	.02	.02	.03	.03	.01	.01	1.53
NEW YORK																
NASSAU																
SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.05	.00	.01	1.39
NEW ROCHELLE																
SITE 01	60	25	.00	.00	.00	.01	.01	.02	.02	.03	.04	.06	.19	.03	.02	2.24
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.04	.01	.01	1.63
OREGON																
MEDFORD																
SITE 01	61	22	.02	.04	.08	.11	.12	.15	.22	.25	.27	.32	.45	.18	.14	2.34
TEXAS																
FT WORTH																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.00	.01	1.33
HOUSTON																
SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.00	.01	1.28
	65	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.05	.01	.01	1.47
	63 65	47	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.05	.01	.01	1.38
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.01	.02	.02	.02	.02	.03	.04	.05	.08	.13	.16	.05	.04	2.15
	63	26	.00	.00	.00	.00	.00	.00	.01	.01	.02	.04	.06	.01	.01	1.76
	64	24	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.04	.02	.01	1.67
	58 64	74	.00	.00	.00	.01	.01	.02	.02	.02	.04	.06	.16	.03	.02	1.87

*Data contributed by state or local agency.

Table 5-28. TITANIUM, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.00	.01	1.15
ARKANSAS																
MONTGOMERY COUNTY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA																
HUMBOLDT COUNTY																
SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
COLORADO																
MESA VERDE NAT PK																
SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.00	.01	1.15
FLORIDA																
MONROE COUNTY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	1.00
HAWAII																
KAHALUU																
SITE 02	63	26	.00	.00	.00	.01	.01	.01	.01	.01	.02	.03	.04	.01	.01	1.58
INDIANA																
PARKE COUNTY																
SITE 01	64	26	.00	.01	.02	.02	.02	.02	.02	.03	.03	.04	.04	.02	.02	1.51
PUERTO RICO																
LOQUILLO MTS																
SITE 01	59	26	.01	.01	.01	.01	.01	.02	.02	.02	.03	.04	.09	.02	.02	1.88

*Data contributed by state or local agency.

Table 5-29. VANADIUM, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m³													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.000	.000	.000	.002	.003	.006	.007	.009	.010	.011	.023	.006	.004	2.79
CALIFORNIA																
BURBANK																
SITE 01	60	26	.000	.000	.012	.014	.019	.019	.027	.042	.046	.053	.077	.027	.017	3.40
LONG BEACH																
SITE 01	65	25	.000	.006	.007	.007	.008	.011	.014	.015	.018	.031	.038	.014	.011	2.21
LOS ANGELES																
SITE 01	60	25	.000	.004	.005	.006	.006	.014	.019	.034	.038	.051	.130	.024	.013	3.26
PASADENA																
SITE 01	60	25	.000	.005	.011	.012	.013	.015	.020	.025	.035	.058	.200	.030	.017	3.26
SAN JOSE																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.007	.018	.025	.004	.002	3.23
KANSAS																
KANSAS CITY																
SITE 01	62	24	.000	.000	.000	.000	.002	.003	.004	.005	.005	.007	.014	.003	.003	2.37
MINNESOTA																
ST. PAUL																
SITE 01	58	23	.000	.000	.000	.000	.007	.008	.008	.013	.017	.029	.045	.010	.006	3.63
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.000	.000	.000	.000	.000	.003	.006	.009	.011	.014	.040	.006	.003	3.48
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.032	.047	.062	.083	.095	.110	.120	.140	.160	.290	.910	.160	.115	2.12
GLASSBORO																
SITE 01	65	24	.000	.003	.007	.011	.013	.018	.028	.030	.046	.068	.150	.030	.017	3.45
JERSEY CITY																
SITE 01	63	25	.071	.100	.120	.140	.180	.200	.220	.280	.330	.490	.860	.257	.210	1.87
NEW YORK																
GLEN COVE																
SITE 01	60	21	.000	.012	.016	.023	.034	.050	.063	.082	.270	.400	.770	.133	.045	5.71
MASSENA																
SITE 01	60	24	.000	.000	.000	.004	.005	.006	.007	.009	.021	.043	.150	.016	.006	4.15
NEW ROCHELLE																
SITE 01	60	25	.064	.082	.092	.150	.210	.260	.280	.360	.420	.710	1.300	.315	.236	2.18
TROY																
SITE 01	60	21	.000	.018	.022	.028	.046	.049	.060	.077	.100	.150	.310	.070	.043	3.41
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.022	.002	.001	2.28
OREGON																
MEDFORD																
SITE 01	61	22	.000	.000	.005	.006	.007	.016	.019	.023	.024	.028	.097	.018	.010	3.34
TEXAS																
FT WORTH																
SITE 01	62	25	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.000	.001	1.48
HOUSTON																
SITE 01	63	22	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.001	.001	1.72
	65	25	.000	.000	.000	.000	.000	.000	.000	.003	.003	.004	.005	.001	.002	1.87
	63 65	47	.000	.000	.000	.000	.000	.000	.000	.000	.003	.004	.009	.001	.001	1.80
UTAH																
SALT LAKE CITY																
SITE 01	63	26	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.007	.000	.001	1.54

*Data contributed by state or local agency.

Table 5-3C. VANADIUM, NONURBAN ABBREVIATED FREQUENCY DISTRIBUTIONS

Station location	Year	No. of samples		Max. conc., μg/m³
		Collec-ted	Above detect. quan.	
ARIZONA				
GRAND CANYON NAT PK				
SITE 01	63	26	1	.001
ARKANSAS				
MONTGOMERY COUNTY				
SITE 01	63	24	0	
CALIFORNIA				
HUMBOLDT COUNTY				
SITE 01	63	22	1	.001
COLORADO				
MESA VERDE NAT PK				
SITE 01	63	25	0	

Station location	Year	No. of samples		Max. conc., μg/m³
		Collec-ted	Above detect. quan.	
FLORIDA				
MONROE COUNTY				
SITE 01	63	24	7	.003
HAWAII				
KAHALUU				
SITE 02	63	26	5	.011
INDIANA				
PARKE COUNTY				
SITE 01	64	26	23	.007
PUERTO RICO				
LOQUILLO MOUNTAINS				
SITE 01	59	26	5	.006

Table 5-31. ZINC, URBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
ANCHORAGE																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
CALIFORNIA																
BURBANK																
SITE 01	60	26	.00	.00	.00	.00	.00	.00	.00	.00	.13	.50	.66	.10	.03	4.94
LONG BEACH																
SITE 01	65	25	.00	.00	.00	.00	.00	.00	.00	.23	.25	.48	1.20	.15	.04	5.94
LOS ANGELES																
SITE 01	60	25	.00	.00	.00	.46	.49	.56	.79	1.00	1.20	1.40	1.70	.70	.33	6.26
PASADENA																
SITE 01	60	25	.00	.00	.00	.00	.00	.00	.19	.25	.31	.46	.94	.17	.05	5.95
SAN JOSE																
SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.10	.40	1.10	.12	.02	4.88
KANSAS																
KANSAS CITY																
SITE 01	62	24	.00	.00	.00	.00	.00	.00	.29	.33	.57	.67	2.30	.28	.05	7.67
MINNESOTA																
ST PAUL																
SITE 01	58	23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11	.32	.03	.01	2.73
MISSOURI																
KANSAS CITY																
SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.22	.27	.36	.06	.02	3.97
NEW JERSEY																
ELIZABETH																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.41	.66	1.00	2.80	.36	.05	8.61
GLASSBORO																
SITE 01	65	24	.00	.00	.00	.00	.15	.15	.29	.41	.53	.55	.76	.25	.09	6.08
JERSEY CITY																
SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.18	.48	.79	1.00	.22	.04	7.19
NEW YORK																
NASSAU																
SITE 01	60	24	.00	.00	.00	.00	.00	.00	.00	.00	.08	.14	.17	.03	.02	2.81
NEW ROCHELLE																
SITE 01	60	25	.00	.00	.00	.00	.00	.19	.33	.44	.51	1.00	2.70	.41	.09	8.15
TROY																
SITE 01	60	21	.00	.00	.00	.00	.00	.00	.00	.10	.17	.22	.66	.09	.03	4.57
NORTH CAROLINA																
ASHEVILLE																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54	.02	.01	2.22
OREGON																
MEDFORD																
SITE 01	61	27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.86	.06	.01	3.46
TEXAS																
FT WORTH																
SITE 01	62	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.01	.01	1.70
HOUSTON																
SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.09	.59	1.10	.12	.02	5.12
	65	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.18	1.00	.06	.02	3.51
	63 65	47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.38	1.10	.09	.02	4.29
UTAH																
SALT LAKE CITY																
SITE 01	58	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90	.04	.01	2.51
	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.01	.01	1.70
	64	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25	.36	.04	.02	3.16
	58 64	74	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.90	.03	.01	2.47

*Data contributed by state or local agency.

Table 5-32. ZINC, NONURBAN FREQUENCY DISTRIBUTIONS

	Year	No. of samples	Concentration, μg/m3													Std geo dev*
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ARIZONA																
GRAND CANYON NAT PK SITE 01	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
ARKANSAS																
MONTGOMERY COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.07	.10	.16	.23	.04	.02	3.39
CALIFORNIA																
HUMBOLDT COUNTY SITE 01	63	22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.47	.03	.01	2.84
COLORADO																
MESA VERDE NAT PK SITE 01	63	25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06	.00	.01	1.43
FLORIDA																
MONROE COUNTY SITE 01	63	24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
HAWAII																
KAHALUU SITE 02	63	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.00
INDIANA																
PARKE COUNTY SITE 01	64	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.22	.01	.01	1.83
PUERTO RICO																
LOQUILLO MTS SITE 01	59	26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	.77	.08	.02	3.94

*Data contributed by state or local agency.

SECTION 6.

GASEOUS POLLUTANTS AND SOILING INDEX

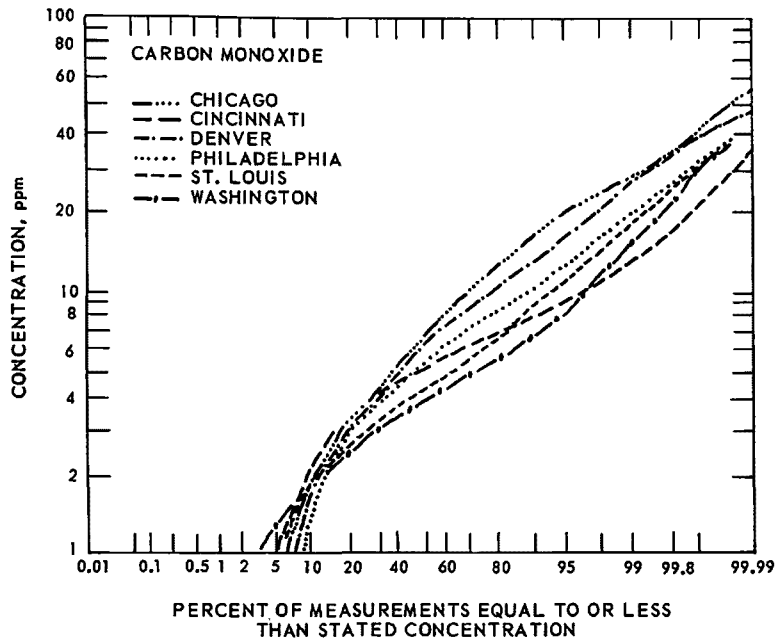

Figure 6-1. Annual frequency distributions of carbon monoxide, CAMP, 1967.

Table 6-1. CARBON MONOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	44	0	2	5	7	11	17	21	25	28	63	8.8
Cincinnati	75	0	3	4	5	7	9	10	12	14	47	5.6
Denver	79	0	2	4	7	9	14	17	22	27	63	7.7
Philadelphia	88	0	2	4	6	8	11	13	16	19	44	6.3
St. Louis	91	0	2	4	5	6	10	12	16	19	60	5.6
Washington, D.C.	87	0	2	3	4	5	8	9	12	15	37	4.8

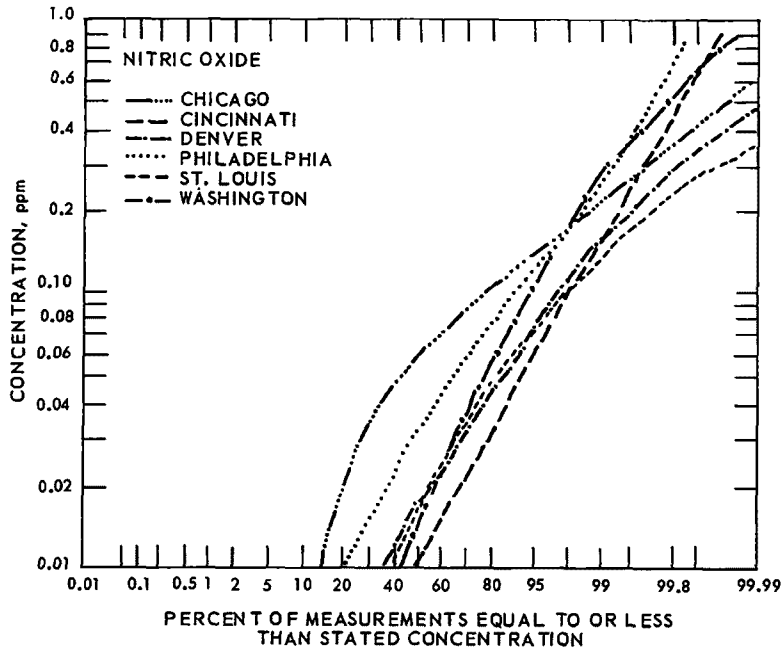

Figure 6-2. Annual frequency distributions of nitric oxide, CAMP, 1967.

Table 6-2. NITRIC OXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	80	0.00	0.01	0.04	0.07	0.09	0.15	0.19	0.23	0.27	0.69	0.076
Cincinnati	69	0.00	0.00	0.01	0.02	0.03	0.07	0.11	0.18	0.26	1.46	0.032
Denver	55	0.00	0.00	0.01	0.02	0.04	0.09	0.13	0.18	0.22	0.54	0.037
Philadelphia	80	0.00	0.01	0.02	0.04	0.06	0.14	0.19	0.29	0.42	1.74	0.062
St. Louis	84	0.00	0.00	0.01	0.02	0.04	0.08	0.11	0.15	0.19	0.38	0.034
Washington, D.C.	85	0.00	0.00	0.01	0.02	0.04	0.12	0.19	0.30	0.38	0.126	0.046

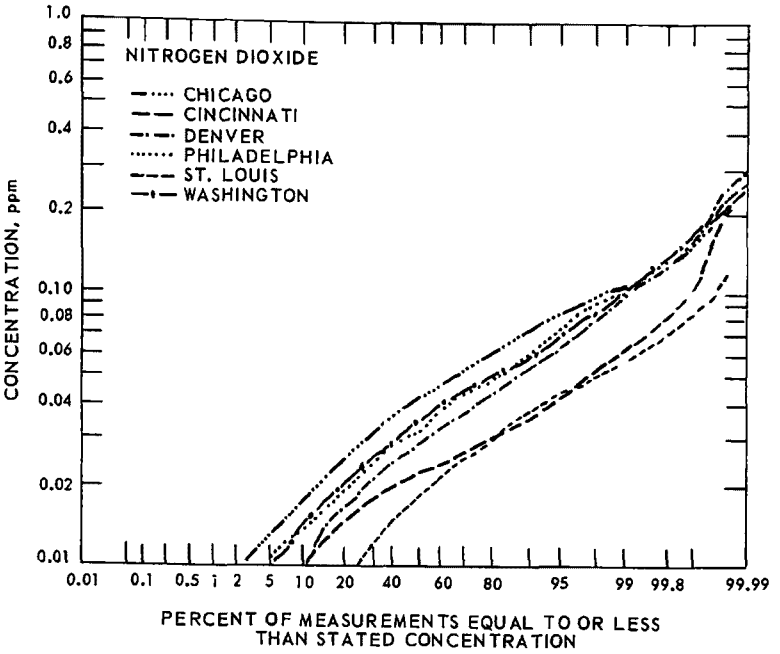

Figure 6-3. Annual frequency distributions of nitrogen dioxide, CAMP, 1967.

Table 6-3. NITROGEN DIOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	75	0.00	0.02	0.04	0.05	0.06	0.08	0.09	0.11	0.12	0.29	0.049
Cincinnati	77	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.70	0.028
Denver	54	0.00	0.02	0.03	0.03	0.04	0.06	0.07	0.09	0.11	0.37	0.037
Philadelphia	85	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.44	0.042
St. Louis	89	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.17	0.024
Washington, D.C.	81	0.00	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.11	0.24	0.042

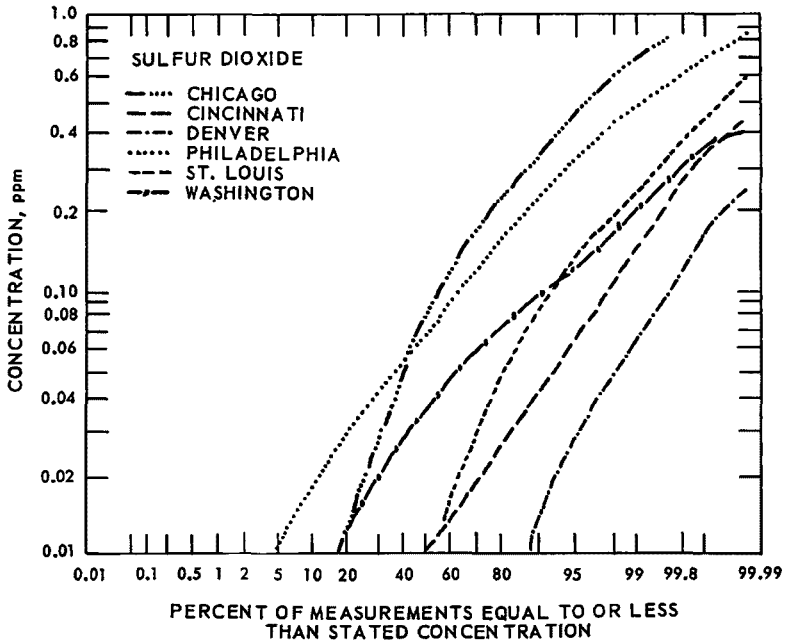

Figure 6-4. Annual frequency distributions of sulfur dioxide, CAMP, 1967.

Table 6-4. SULFUR DIOXIDE ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	93	0.00	0.01	0.03	0.07	0.15	0.32	0.43	0.57	0.68	1.62	0.125
Cincinnati	61	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.10	0.13	0.65	0.021
Denver	82	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.06	0.33	0.005
Philadelphia	81	0.00	0.02	0.04	0.07	0.11	0.22	0.30	0.39	0.46	1.12	0.098
St. Louis	91	0.00	0.00	0.00	0.01	0.03	0.08	0.12	0.17	0.21	0.90	0.029
Washington, D.C.	44	0.00	0.01	0.02	0.04	0.06	0.10	0.12	0.15	0.18	0.53	0.048

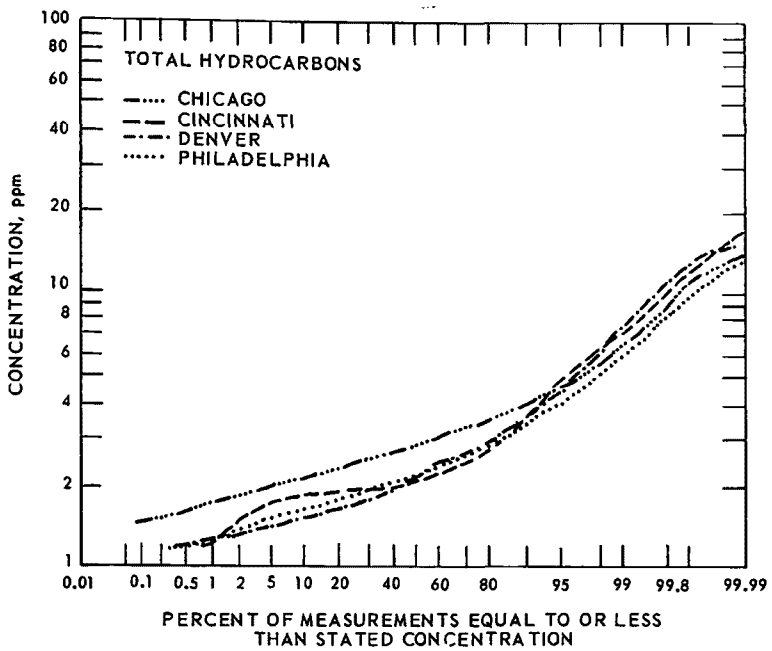

Figure 6-5. Annual frequency distributions of total hydrocarbons, CAMP, 1967.

Table 6-5. TOTAL HYDROCARBONS ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	92	0.0	2.1	2.4	2.8	3.3	4.3	4.9	5.8	6.6	18.1	3.04
Cincinnati	73	0.0	1.7	1.9	2.2	2.5	3.7	4.8	6.3	7.3	18.7	2.51
Denver	86	0.0	1.5	1.8	2.1	2.5	3.7	4.7	6.2	7.4	18.5	2.44
Philadelphia	86	0.0	1.6	1.9	2.2	2.5	3.5	4.2	5.3	6.3	14.6	2.42

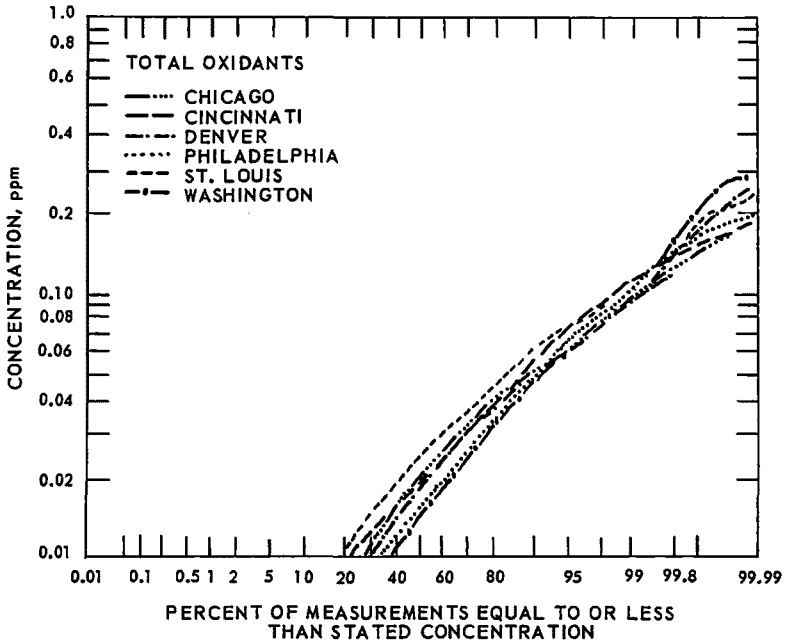

Figure 6-6. Annual frequency distributions of total oxidants, CAMP, 1967.

Table 6-6. TOTAL OXIDANTS ANNUAL FREQUENCY DISTRIBUTIONS, CAMP, 1967.

City	Percent of valid data	Concentration, ppm										
		Frequency distribution, percent										
		Minimum	10	30	50	70	90	95	98	99	Maximum	Mean
Chicago	60	0.00	0.00	0.02	0.03	0.04	0.06	0.07	0.08	0.10	0.18	0.028
Cincinnati	57	0.00	0.01	0.02	0.02	0.04	0.06	0.08	0.10	0.11	0.25	0.031
Denver	39	0.00	0.01	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.25	0.027
Philadelphia	67	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.19	0.026
St. Louis	69	0.00	0.01	0.02	0.03	0.04	0.07	0.08	0.10	0.11	0.27	0.034
Washington, D.C.	78	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.23	0.025

Table 6-7. CARBON MONOXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						18.8	7.7		13.3	5.9		5.0
2						16.6	2.9	9.9	9.4	9.1		7.8
3							4.9	8.5	0.1	18.2		4.2
4							4.4	12.8		15.0		5.5
5								11.9		18.0		7.0
6						10.6		6.6	5.3	12.6		8.1
7							13.9	8.6	11.1	9.6		4.0
8								7.6	17.2	4.1		8.0
9					7.9	21.8		9.7	14.9	4.1	9.4	9.7
10					9.3	17.9	8.5	10.6		7.7	8.7	7.3
11					9.6	8.1	14.5	11.3		8.2	5.0	7.9
12					7.0	7.3	10.3	11.9			5.0	4.5
13					6.7		8.3	9.7		5.5	5.5	4.5
14					3.9		7.0	8.5	8.2	5.5	6.2	6.0
15					9.0		3.5	8.3	6.2	3.0	8.1	5.5
16					14.2		5.1	5.7			5.4	6.6
17					9.3		9.0	6.6			6.0	4.5
18					5.4		13.8	18.7			6.2	4.5
19					16.8		12.3	22.4	13.5		7.1	7.0
20					22.9	7.7	9.1	14.8	9.3		6.5	7.3
21						16.4	17.9	13.4	12.7		7.5	5.8
22						11.6		16.3	9.8		6.7	5.2
23					7.1			9.9				4.0
24					9.4			6.4		11.2	7.6	3.1
25					10.4	11.1		11.6	5.6	14.8	5.4	2.6
26					8.0	12.0		4.9	4.5	11.0	3.7	5.9
27						9.4		6.9	9.9	5.7	3.9	7.9
28						8.7		15.7	9.7	4.6	5.4	8.0
29					5.8	8.8		19.8	7.7	1.6	6.7	5.6
30					8.2	7.6		15.8	6.3		9.3	4.1
31					14.6			6.4				4.6
Monthly mean					9.6	12.5	8.9	11.1	9.4	8.7	6.4	5.9

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.2			6.2	8.1		3.7	5.3	5.1	4.8	4.9	5.4
2	5.4			6.0			6.0	4.6	6.0	5.4	5.3	5.6
3	6.7		3.1	6.2		2.7	4.1	5.4	6.9	6.3	6.9	4.8
4	4.4		4.9	7.0	6.6	1.0	3.0	5.5	3.3	5.9	3.0	6.4
5			5.2	13.0	7.2	2.6	3.6	8.1	6.8	6.0	0.5	7.4
6			5.8	6.3	6.2	1.0	0.7	9.8	6.3	5.5		6.6
7	5.1		3.9	6.5	5.8	0.9	2.7		6.8	5.4		4.8
8	4.6		3.9	7.3	7.3	0.9	3.5		5.5	5.1	7.3	7.2
9	4.8		5.7	7.5	8.4		2.8		5.7	5.0	5.9	5.9
10	4.4		7.1	7.7	9.0		3.1		4.4	4.9	5.9	4.8
11	5.2		6.0	7.7	8.2		2.7		5.0	4.8	4.1	5.7
12	4.7		5.9	9.2	8.3		3.2		5.3	7.5	4.8	5.4
13	5.3		8.7	9.2	8.6	3.7	3.4		5.3	6.8	6.8	5.8
14	5.8		8.1	8.5	8.9	3.4	3.7		5.9	6.3	6.1	4.5
15	2.3		5.9	9.3	8.3	2.7	4.5		7.3	5.5	4.7	4.4
16	3.6		4.8	9.3	7.0	2.4	4.5		9.4	5.2	6.3	
17	3.7		5.1	8.0	6.5	3.0	5.0		6.0	5.9	7.1	
18	4.3		5.5	5.6	6.3	1.1			7.5	4.5	4.7	
19	4.9		5.3	5.3	6.7	2.2			5.1	5.9	4.5	9.8
20	4.3		6.5	6.7	7.1	2.8			5.1	6.2	5.2	10.3
21	5.0		5.3	7.2	6.8	2.4		4.3	4.2	7.2	5.9	6.1
22	4.1		5.6	5.5	8.2	3.7	0.6	8.1	4.7	8.7	5.4	5.3
23	4.0		6.0	5.5	6.4	3.4	0.8	8.0	5.4	8.1	4.5	5.5
24	3.4		7.0	6.5	8.6	3.2	2.9	5.3	5.0	5.6	6.6	5.3
25	2.5		9.9	7.2	9.3	1.6	3.8		7.4	5.0	6.9	4.7
26			9.5	8.1	10.6	2.7	4.7	5.7	5.3	5.5	8.6	4.2
27			9.5	8.0		3.1	3.7	4.5	4.8	6.2	6.7	5.0
28			7.8	8.9	8.4	1.4	4.3	5.2	4.6	6.3	5.4	5.3
29			6.5	9.3	8.2	1.7	4.7	5.8	4.6	6.1	6.3	6.1
30			5.9	8.2	7.1	4.1	3.8	5.2	4.4		5.6	6.1
31			5.7				3.9	4.5				5.0
Monthly mean	4.5		6.2	7.5	7.7	2.4	3.5	6.0	5.6	5.9	5.5	5.8

Table 6-7 (continued). CARBON MONOXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.7	10.4	7.8	3.9	3.4	6.4	7.4		6.8	3.3	8.7	7.3
2	4.4	12.9	9.0	2.6	2.2	7.4	4.6			5.9	4.4	10.0
3	6.1	10.9	5.2	6.2	2.9	5.5	7.7			8.6	6.1	8.8
4	10.1	9.5	1.3	9.2	4.0	5.1	6.9			4.5	5.6	12.2
5	9.9	4.6	0.7	5.5	4.6	7.6	10.0		5.6	5.5	5.6	11.4
6	4.6	7.1	5.2	4.6	4.1	9.9	10.9		7.4	3.8	11.2	7.2
7	6.0	5.8	3.0	7.2	3.8	8.1	11.5	12.8	7.3	2.9	11.7	13.2
8	6.7	9.4	8.5	7.1		8.8	8.7	8.9		2.9	9.4	10.6
9	12.3	7.4	12.5	4.7		8.5	7.4	7.6		5.1	8.7	5.0
10	10.1	8.2	14.5	6.6		7.3	10.2		5.5	6.0	7.5	4.5
11	14.0	6.8	10.4	7.0		6.4	8.4	9.5	4.7	7.6	7.0	5.0
12	11.6	5.6	9.9	6.7		9.6	8.6		3.8	7.7	13.4	3.2
13	10.4	7.4	9.2	3.0		8.8			3.7	5.8	12.6	5.6
14	5.7	7.0	8.5	6.2		9.2	10.6	10.9	5.0	4.0	11.5	6.2
15	7.9	6.7	7.6	5.7	8.3	8.5	7.4	10.2	6.3	2.8	11.0	9.5
16	6.6	8.6	9.3	3.1	7.9	8.9	6.3	11.8		9.5	7.9	4.8
17	7.1	10.7	7.6	7.2	9.4	8.4	6.6	10.9		11.0	12.6	
18	8.9	9.5	8.4	5.4	9.7	6.3	6.1	13.6	7.9	9.3	10.7	10.8
19	15.3	2.2	7.1	5.2	8.7	7.4	9.0		5.3	7.1	9.3	12.7
20	17.1	4.8	7.3	4.6	6.7	7.9	15.5		7.9	11.5	6.5	9.7
21	20.3	8.4	7.9	4.3	5.6	6.4			6.0	6.9	6.2	10.1
22	10.6	7.0	8.5	2.6	7.9	9.1			8.8	6.0	10.0	
23	12.3	6.2	9.6	1.2	8.8	8.8				5.5	4.6	
24	10.9	8.7	9.2	4.3	8.8	7.3			9.6	5.0	7.1	
25	10.2	10.5	4.5	3.2	7.6	7.0			10.3	9.7	4.1	
26	14.2	5.7	4.9	4.8	6.3	8.1			7.1	3.5	3.6	
27	15.4	6.1	5.9	5.8	5.0	7.9			7.3	9.2	9.9	
28	13.4	4.8	8.5	5.9	4.4	7.4		5.1	6.5	4.8	14.5	
29	11.2		5.8	5.1	5.4	7.6		5.5	8.8	2.0	12.1	14.1
30	13.0		4.2	1.2	1.9	8.1		3.8	5.4	4.5	16.0	
31	12.7		5.8		5.0			5.3		6.9		
Monthly mean	10.5	7.6	7.3	5.0	5.9	7.8	8.6		6.6	6.0	9.0	8.6

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.9	2.9	2.8	5.9		5.7	2.9	7.3	4.2	9.5	8.6	4.1
2	6.0	4.4	5.1	4.5		6.7	2.5	11.1	3.1	12.2	7.9	6.0
3	11.1	4.3	4.0	4.4		6.4	3.5	8.8	4.8	10.7	6.3	3.9
4	8.3	5.0	7.3	4.0		5.3	6.1	6.7	6.4	9.5	4.1	5.0
5	4.3	3.4	6.8	5.2		3.8	7.0	6.4	8.7	7.1	7.7	6.5
6	4.8	0.4	7.9	6.0		4.0	5.4	4.5	11.0	4.1	9.4	6.3
7	3.4	0.6		5.4		5.2	1.8	6.5	10.5	5.5	8.9	7.1
8	1.3	5.2	6.7	7.0		4.5	4.3	6.2	8.6	5.6		10.6
9	1.6	3.6	10.0	8.6		3.9	3.7	7.8	8.3	6.2	11.9	15.3
10	1.6	2.4	7.9	8.2		4.4	6.1	8.1	7.0	7.6	13.2	4.2
11	1.3	1.2	6.1	8.5		3.7	6.0	7.1	8.7	10.3	10.2	5.9
12	3.9	2.9	6.7			4.1	6.9	6.5	12.0	11.8	4.9	8.3
13	4.0	6.1	8.0			4.8	7.5	7.9	13.2	10.1	3.3	
14	2.2	7.5	6.0			4.7	9.3	10.0	10.8	6.3	4.3	6.9
15	1.1	6.4	5.9	14.0		6.9	9.1	10.1	8.9	8.6	2.9	6.5
16	1.2	4.6	6.7	9.5	9.2	6.4	9.8	10.8	6.5	8.0	3.3	3.7
17	3.0	5.1	7.6	10.1	10.2	3.6	8.5	9.4	7.1	10.1	4.5	3.2
18	2.6	0.6	7.5	8.3	8.0	3.9	7.7	8.3	11.4	6.7	5.2	4.5
19	5.3	0.9	8.2	6.6	5.5	7.3	7.8	7.2	12.9	9.4	3.2	6.0
20		1.0	7.7	4.8	3.8	8.9	5.8	7.3	10.7		2.5	11.2
21		1.8	7.3	4.5	5.5	8.3	6.4	6.5	8.4	6.7	3.6	11.4
22		1.5	5.7	4.4	6.1	5.5	3.5	8.4	7.5	7.1	9.0	8.7
23	5.9	4.9	8.3	5.0	6.9	5.4	4.4	13.8	9.2	8.9	6.9	5.3
24	8.0	4.3	7.9	4.3	9.0	4.9	4.8	9.5	8.6	8.4	5.6	4.6
25	6.7	3.6	5.8	4.6		4.6	5.0	9.4	6.8	7.9	7.6	6.5
26	3.5	2.6	5.2	5.6	9.2	3.7	4.6	8.4	7.5	8.0	12.1	6.4
27	2.8	1.8	7.1	5.8	10.4	5.4	7.2	4.9	7.1	9.3	9.0	6.0
28	0.6	1.7	8.2	8.0	10.9	5.9	7.7	4.9	8.6	7.6	3.5	5.6
29	0.0			8.8	10.1	6.4	4.4	5.2	8.4	10.2	4.9	3.7
30	0.0			7.7		4.4	4.9	5.8	8.3	14.0	4.1	2.2
31	0.0		6.3				6.1	4.5		10.6		4.0
Monthly mean	3.4	3.2	6.8	6.6		5.3	5.8	7.7	8.5	8.6	6.5	6.3

Table 6-7 (continued). CARBON MONOXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.9	7.1	5.5	3.8	6.4		4.6	5.1	8.2	6.1	9.0	5.1
2	5.2	5.1	6.6	3.0	5.1		3.1	4.3	8.3	11.0	8.9	4.0
3	6.0	8.4	4.8	5.2	7.0		4.6	4.7		9.5	6.8	3.8
4	6.4	6.5	2.8	3.8	5.6		3.2	4.4	4.0	7.9	8.0	6.2
5	6.4	5.0	1.6	4.2	6.1		6.0	5.7	5.8	5.5	5.0	7.1
6	6.2	6.2	2.3	2.4	5.6	3.4	6.2	3.6	5.8	7.8	8.0	6.7
7	4.4	6.7	4.1	3.5	4.6	4.2	6.2	6.2	5.3	7.3	6.9	4.5
8	4.9	8.2	3.1	3.9	5.2	6.0	5.3	7.0	6.3	4.8	7.2	6.8
9	6.0	7.4	4.7	2.1	6.1	5.6	4.4	5.1	4.3	7.6	7.7	4.9
10	3.9	6.1	5.3	3.3	6.8	3.0	6.3	6.2	4.0	6.0	5.7	4.1
11	5.6	4.6	2.5	5.4	4.8	2.2	5.7	6.5	6.6	7.9	4.6	4.8
12	8.1	4.9	1.6	5.7	5.8	3.9	5.3	6.4	3.9	7.8	4.0	6.2
13	8.7	7.9	3.5	3.5	4.7	4.3	4.3	5.9	7.7	9.6	4.4	4.9
14	4.0	7.7	2.9	4.0	4.0	5.7	5.0	7.3	7.7	9.5	4.4	5.6
15	3.5	5.5	1.4	3.0	5.1	5.2	6.1	8.4	8.3	6.8	4.9	5.9
16	5.4	6.0	3.7	3.2	5.8	5.3	5.6	8.8		8.1	6.2	5.8
17	4.2	7.3	3.5	3.8	5.4	3.2	6.3	8.3	5.3	7.4	4.2	4.8
18	8.0	6.2	3.8	4.4	6.5	3.7	6.5		8.0	5.9	2.9	8.0
19	9.2	4.1	3.0	5.0	5.0	6.1	7.6		6.9	7.8	4.3	7.4
20	7.5	6.0	5.0	5.8	4.7	5.1	5.9		5.1	7.6	6.6	7.3
21	5.4	7.7	3.5	6.7	5.6	5.6	8.4		5.1	8.3	6.7	5.8
22	3.9	3.4	5.3	3.8	8.3	4.9	4.5		6.0	7.2	5.2	3.7
23	8.0	3.8	5.3	3.4	8.1	8.5	3.7		6.9	9.9	4.1	3.9
24	5.2	3.6	6.3	5.1	7.3	4.2	6.0		5.7	7.4	6.9	4.4
25	4.6	5.3	4.3	5.6	8.2	2.7	6.0		8.4		5.1	3.1
26	5.0	4.0	2.4	4.9	7.0	7.0	6.2		7.5	10.7	3.2	5.2
27	5.1	5.8	4.9	6.1	2.3	6.0	5.3		5.3	6.5	3.7	5.8
28	6.5	5.0	5.7	7.3	0.9	6.1	5.6		5.9	6.6	6.1	5.4
29	6.3		5.9	4.8		9.1	4.1	7.5	7.6	5.5	6.6	8.0
30	7.4		5.8	4.3		7.6	2.9	5.0	6.8	10.6	4.7	5.1
31	7.7		4.4				4.6	6.8		8.2		3.9
Monthly mean	6.0	5.9	4.0	4.4	5.6	5.1	5.3	6.1	6.3	7.7	5.7	5.4

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.8	9.6	3.4	4.5	6.0	5.7	5.3	3.8	8.4	5.2	4.8	
2	2.0	4.2	3.9	5.1	4.9	5.5	5.2	4.3	8.8	7.5		
3	3.9	2.5	4.0	3.2	3.6	5.3	4.5	3.6	9.5	8.0		
4	3.4	3.1	4.8	2.8	3.2	4.6	2.8	4.1	8.7	10.0		
5	3.4	2.7	3.9	3.8	3.4	4.1	5.3	5.1	8.9	9.9		
6	4.1	1.9	4.1	4.4	2.4	3.9	6.9	5.3	6.9	6.8	5.3	
7	4.6	1.7	3.2	3.6	2.6	3.8	5.2	6.9	6.0	4.6	5.2	
8	3.8	4.0	3.8	2.6	3.7	3.4	5.4	5.7	5.7	4.0	5.4	
9	4.1	6.5	4.9	2.3	3.0	4.2	5.2	5.7	4.8	4.8	9.6	
10		3.8	4.6	2.8	3.8	3.6	5.1	5.4	3.3	6.5	12.0	
11	3.6	3.2	3.8	2.3	3.8	3.0	6.1	6.4	4.4	6.6	5.2	3.9
12	5.4	2.6	2.2	2.1	2.8	3.4	5.7	6.7	5.7	8.1	3.6	6.1
13	7.0	3.4		2.0	3.4	3.6	4.9	6.6	8.0	7.8	4.3	11.3
14	4.7	4.1	4.4	2.8	3.6	3.0	5.8	6.0	9.3	5.6	5.2	8.1
15	4.3	4.2	2.8	2.1	3.8	4.0	3.9	8.5	6.1	3.9	4.7	4.3
16	4.4	2.1	3.2	4.6	3.3	5.5	3.8	8.2	3.6		5.2	3.9
17	5.3	2.5	2.8		5.4	4.4	6.3	8.5	3.6		6.0	5.3
18	4.5	3.1	2.7		4.9	4.9	5.3	6.1	4.9		5.4	5.7
19	5.1	2.9	2.4		5.8	4.6	4.9	6.1	4.5		4.8	7.9
20	5.7	4.3	2.2		4.1	4.4	5.8	6.8	4.2	8.1	4.8	8.7
21	2.7	3.4	2.5		4.8	6.4	7.5	7.3	1.7	8.8	5.1	5.9
22	1.3	2.8	2.8		5.2	5.7	7.2	5.5			7.5	4.1
23		3.6	3.5		3.9	6.0	5.7	5.3	5.9		5.0	3.3
24		3.5	3.0	3.9	4.0	4.9	6.1	4.5	4.4	6.8	6.7	3.4
25		3.3	2.3	3.8	3.9	3.9	6.2	7.5	5.6		8.0	4.0
26	7.3	3.2	2.2	5.9	4.2	4.7	5.1	6.0	6.0		14.6	4.0
27	3.6	4.4	2.5	3.1	5.1	6.1	6.2	4.3	5.7		11.3	4.1
28	1.8	2.9	3.3	3.8	5.6	5.3	5.8	4.9	5.5		6.8	4.2
29	2.7		3.7	5.9	5.6	5.4	5.1	5.7	4.6		8.2	4.3
30	4.3		3.6	6.5	5.0	4.8	4.6	5.6	4.4		7.8	4.8
31	6.7		4.1		5.7		5.3	5.0				4.5
Monthly mean	4.1	3.5	3.3	3.7	4.2	4.6	5.4	5.8	5.8	6.8	6.7	5.3

Table 6-8. NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.064	0.052	0.055	0.137	0.055	0.073	0.046	0.040	0.108		0.076	0.063
2	0.088	0.091	0.142		0.058	0.091		0.047	0.050		0.063	0.077
3	0.109	0.101	0.105		0.077	0.094		0.067	0.018	0.073	0.085	0.061
4	0.135	0.075	0.086	0.070	0.081	0.101		0.102	0.008	0.071	0.038	0.059
5	0.114	0.047	0.080	0.179	0.074	0.092		0.100	0.017	0.044	0.027	0.072
6	0.041	0.077	0.097	0.113	0.065	0.059	0.066	0.067	0.133	0.056	0.078	0.147
7	0.050	0.085	0.121		0.029	0.066	0.062	0.062	0.068	0.025	0.117	0.084
8	0.059	0.102	0.094		0.063		0.064	0.062	0.113	0.021	0.102	0.128
9	0.077	0.089	0.086		0.106	0.050	0.027	0.079	0.061	0.045	0.122	0.155
10	0.093	0.042	0.122		0.114	0.049	0.059	0.119	0.059	0.062	0.115	0.123
11	0.111	0.042	0.141	0.086	0.097	0.029	0.069	0.085	0.061	0.064	0.061	0.117
12	0.117		0.100	0.103	0.082	0.039	0.064	0.148	0.076	0.073	0.066	0.071
13	0.189		0.136	0.106	0.076	0.032	0.089	0.132	0.046	0.066	0.093	0.080
14	0.111		0.126	0.040	0.070	0.028	0.070	0.106	0.068	0.086	0.099	0.136
15	0.056		0.140	0.078	0.047	0.024	0.056	0.097	0.044	0.069	0.151	0.099
16	0.081	0.096	0.111	0.101	0.136	0.068	0.055	0.050	0.049	0.062	0.092	0.106
17	0.084		0.141	0.041	0.096	0.053	0.042	0.031	0.028	0.062	0.082	0.067
18	0.127	0.081	0.118	0.122	0.045	0.035	0.056	0.050		0.065	0.029	0.083
19		0.089	0.078	0.101	0.049		0.061	0.096	0.074	0.097		0.116
20	0.092		0.097	0.066	0.077		0.077	0.052	0.055	0.057		0.080
21	0.131		0.088	0.052	0.061	0.127	0.089	0.055	0.060	0.082	0.068	0.077
22	0.082	0.086	0.111	0.026	0.086	0.074	0.039	0.041	0.055	0.044	0.067	0.044
23		0.079	0.112	0.053	0.058	0.063	0.018	0.044		0.038	0.049	0.070
24	0.130	0.072	0.085		0.063	0.074	0.027	0.069		0.025	0.082	0.081
25		0.088	0.115	0.122	0.073	0.070	0.059	0.091		0.043	0.044	0.064
26			0.074	0.119	0.039	0.089	0.088	0.072		0.076	0.037	0.100
27	0.009	0.091	0.075	0.149	0.048	0.087	0.060	0.059	0.092	0.082	0.049	0.165
28	0.003	0.102	0.111	0.120	0.038	0.043	0.084	0.123	0.094	0.077	0.074	0.125
29	0.001		0.104	0.046	0.070	0.071	0.050	0.080	0.095	0.029	0.101	0.127
30	0.017		0.028	0.025	0.034	0.043	0.046	0.077		0.089	0.095	0.099
31	0.077		0.054		0.060		0.045	0.070		0.091		0.071
Monthly mean	0.084	0.079	0.101	0.089	0.071	0.064	0.058	0.076	0.063	0.061	0.079	0.094

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.013	0.103	0.019	0.024	0.014		0.024	0.037	0.037	0.013	0.035	0.018
2		0.029	0.015	0.011	0.010		0.008	0.011	0.121		0.037	0.031
3		0.021	0.022	0.008	0.038	0.007	0.014	0.012	0.358	0.040	0.038	0.036
4		0.021	0.020	0.015	0.031	0.012		0.012	0.353	0.041		0.077
5		0.018	0.061		0.036	0.057		0.028	0.074	0.038	0.029	0.087
6		0.019	0.036	0.049	0.016	0.027		0.062	0.066	0.022	0.034	0.065
7		0.018	0.012	0.024	0.005	0.016			0.097	0.018	0.050	0.026
8		0.065	0.045	0.014	0.008	0.027	0.018		0.089	0.011	0.108	
9	0.026	0.046	0.073	0.010	0.007	0.021	0.019		0.014	0.018	0.025	
10	0.016	0.021	0.089	0.027	0.038	0.016	0.010		0.002	0.029	0.028	
11	0.024	0.013		0.002	0.006	0.009	0.013		0.008	0.036	0.018	
12	0.029	0.010	0.006	0.003	0.011	0.025	0.013		0.010	0.138	0.010	0.046
13	0.046	0.042	0.106	0.017	0.011	0.038	0.020		0.017	0.067	0.031	0.059
14		0.011	0.049	0.015	0.020	0.044	0.022		0.028	0.066	0.029	0.051
15			0.026	0.038	0.016	0.031	0.033			0.060	0.025	
16		0.011	0.015	0.055	0.030	0.024	0.042		0.063	0.027	0.042	
17		0.024	0.014	0.008	0.013	0.028	0.040		0.035	0.028	0.053	
18		0.048	0.017	0.011	0.024	0.010	0.026		0.049	0.009	0.016	
19		0.031	0.021	0.011	0.012	0.016	0.046		0.014		0.022	
20		0.029	0.016	0.010	0.022	0.037	0.038		0.026		0.027	
21		0.014	0.006	0.019	0.020	0.010	0.039		0.013	0.027	0.033	
22	0.020	0.018		0.010	0.068	0.025	0.014	0.038	0.020		0.046	0.026
23	0.023	0.017		0.011	0.027	0.058	0.013	0.012	0.058			0.028
24	0.029	0.014	0.018	0.011	0.075	0.029	0.011	0.015	0.026	0.012	0.063	
25	0.023	0.021	0.009	0.006	0.017	0.010	0.017	0.025		0.011	0.023	
26	0.054	0.030		0.012	0.007	0.037	0.035	0.032		0.019	0.027	
27	0.016	0.028		0.029		0.095	0.011	0.011	0.027	0.021	0.018	0.035
28	0.015	0.011		0.091	0.005	0.015	0.018	0.029	0.018	0.037	0.031	0.032
29	0.035			0.054	0.010	0.011	0.019	0.156		0.033		0.055
30	0.016		0.016	0.009	0.002	0.047	0.019	0.069	0.014	0.051		
31	0.043		0.024				0.028	0.064		0.032		
Monthly mean	0.027	0.028	0.031	0.022	0.020	0.028	0.023	0.039	0.064	0.035	0.034	

Table 6-8 (continued). NITRIC OXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec
1	0.037	0.050	0.049						0.024	0.010	0.060	0.032
2	0.019	0.073	0.066						0.015		0.025	0.056
3		0.043	0.032			0.014					0.028	0.037
4	0.075	0.034	0.021			0.019						
5	0.051	0.017	0.017	0.015		0.024					0.032	
6	0.028	0.039		0.023		0.032					0.066	0.040
7		0.027		0.031		0.024			0.026		0.114	0.115
8	0.052	0.054		0.022					0.024		0.082	0.074
9		0.021	0.050	0.012				0.014	0.021	0.013		0.039
10	0.086	0.037		0.017	0.013			0.021	0.022	0.038		0.044
11	0.058	0.035	0.051	0.017	0.037		0.020	0.023	0.021			0.027
12	0.049	0.023		0.020	0.033			0.016	0.015	0.018		0.030
13	0.042	0.026		0.020	0.026			0.015		0.015		0.077
14	0.029	0.016	0.045	0.022	0.019			0.016		0.019		
15	0.033	0.024	0.047	0.019	0.021			0.018		0.010		
16	0.034	0.029	0.059	0.012	0.020			0.027				0.078
17	0.051	0.031		0.018	0.027					0.095		0.017
18	0.064	0.036	0.059	0.019	0.020		0.032	0.021		0.061	0.064	0.083
19	0.080			0.020	0.033				0.028	0.030	0.035	0.134
20	0.079	0.043		0.030	0.022				0.061	0.072	0.033	0.039
21	0.109	0.033		0.020				0.022	0.035	0.037	0.031	0.014
22	0.032	0.025		0.022	0.031			0.022	0.031	0.031	0.059	0.077
23	0.055	0.021		0.021	0.014			0.010	0.030	0.020	0.028	0.026
24	0.032	0.051		0.049	0.015			0.014	0.035	0.040	0.036	0.005
25	0.044	0.079		0.037	0.017			0.016	0.025	0.030	0.009	0.000
26	0.077	0.045		0.062	0.036			0.011	0.023	0.024	0.013	
27	0.069	0.042			0.022			0.014	0.032	0.072	0.072	0.079
28	0.055	0.042	0.057	0.018	0.022			0.019	0.046	0.025		0.059
29	0.043				0.020			0.034	0.028	0.018		0.111
30	0.049				0.012			0.014	0.019	0.033	0.059	0.047
31	0.051				0.019			0.020		0.041		0.095
Monthly mean	0.053	0.037		0.023	0.022			0.018	0.028	0.034	0.046	0.057

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.104	0.157		0.071	0.022	0.049	0.014	0.054	0.038	0.105	0.116	0.120
2	0.028	0.050			0.043	0.032	0.007	0.089	0.030	0.160	0.064	
3		0.043			0.021		0.023	0.011	0.033	0.060	0.076	
4	0.326	0.092	0.087	0.011	0.039		0.013	0.008	0.036	0.084	0.060	0.100
5	0.071	0.050	0.058	0.063	0.037		0.040	0.023	0.056		0.044	0.148
6	0.067	0.050	0.112	0.136	0.048		0.033	0.017	0.044		0.081	0.133
7	0.087	0.023	0.063	0.058	0.035		0.011	0.042	0.043	0.036	0.075	0.090
8	0.107	0.074	0.067	0.017	0.033		0.018	0.027	0.049	0.025	0.057	0.158
9	0.091	0.097	0.075	0.019	0.038		0.024	0.020	0.035	0.021	0.146	0.355
10	0.138	0.045	0.084	0.050	0.037		0.023	0.037	0.044	0.068	0.178	0.041
11	0.066	0.072	0.079	0.021	0.054		0.032	0.024	0.045	0.084	0.140	0.037
12	0.081	0.023	0.012	0.037	0.027		0.028	0.020	0.062	0.101	0.029	0.098
13	0.176	0.076	0.075	0.023			0.031	0.023	0.098	0.092	0.038	0.091
14	0.106		0.064	0.034		0.040	0.021	0.110	0.140	0.033	0.055	0.092
15	0.076		0.056	0.045	0.048	0.057	0.027	0.104	0.042	0.053	0.027	0.045
16	0.060	0.051	0.022	0.029	0.036	0.057	0.095	0.063	0.019	0.026	0.058	0.044
17	0.102	0.059	0.015	0.079	0.130	0.034	0.124	0.060	0.026	0.085	0.061	0.073
18	0.047	0.054	0.012	0.061	0.041	0.017	0.018	0.030	0.052	0.022	0.063	0.128
19	0.098		0.016	0.010	0.047	0.055	0.028	0.019	0.096	0.039	0.030	0.115
20	0.077	0.075	0.097	0.024	0.029	0.049	0.026	0.024	0.063	0.048	0.055	0.364
21	0.082	0.045	0.072	0.043	0.027	0.067	0.052	0.029	0.010	0.072	0.085	0.358
22	0.161	0.039	0.032	0.040			0.026	0.035	0.032	0.122	0.098	
23	0.150	0.133	0.079	0.020	0.024	0.022	0.019	0.043	0.074	0.094	0.027	0.033
24	0.212			0.053	0.032	0.028	0.006	0.056	0.111	0.144	0.060	
25	0.135	0.012		0.033	0.018	0.026	0.024	0.098	0.047	0.054	0.122	0.037
26	0.167	0.008	0.037	0.015	0.046	0.018	0.014	0.081	0.060	0.088	0.305	0.060
27	0.075		0.032	0.015	0.068	0.036	0.030	0.029	0.020	0.124	0.335	0.090
28	0.028		0.069	0.018	0.027	0.038	0.013	0.037	0.016	0.066	0.044	0.100
29	0.026		0.080	0.037	0.094	0.016	0.016	0.032	0.013	0.093	0.072	0.033
30	0.050		0.070	0.039	0.012	0.053	0.013	0.053	0.034	0.138	0.109	0.064
31	0.080		0.058		0.011		0.041	0.030		0.147		0.098
Monthly mean	0.104	0.059	0.058	0.040	0.041	0.038	0.029	0.043	0.048	0.079	0.090	0.117

Table 6-8 (continued). NITRIC OXIDE, DAILY AVERAGES, 1967
(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.054	0.073	0.037	0.035	0.021	0.005	0.019	0.029	0.050	0.021	0.056	0.056
2	0.041	0.024	0.054	0.011	0.005	0.012	0.006	0.018	0.038	0.037	0.059	0.039
3	0.026	0.092	0.056	0.032	0.044		0.012	0.028	0.013	0.036	0.025	0.030
4	0.046	0.035	0.038	0.038	0.035		0.015	0.016	0.022	0.043	0.019	
5	0.042		0.013	0.050			0.047	0.035	0.033	0.018	0.009	0.087
6				0.016	0.018	0.028	0.039	0.017	0.017	0.031	0.073	0.042
7			0.059	0.021	0.001	0.019	0.041	0.014	0.020	0.017	0.068	0.014
8		0.092	0.054	0.024	0.007	0.016	0.015	0.040	0.033	0.005	0.081	0.075
9	0.100	0.081	0.062	0.010		0.015	0.014	0.017	0.006	0.025	0.083	0.046
10	0.012	0.026	0.063	0.024	0.036	0.010	0.019	0.032	0.015			0.029
11	0.070	0.016	0.013	0.038	0.011	0.008	0.017	0.032	0.030	0.071		0.020
12	0.084	0.020	0.005	0.045	0.029	0.026	0.018	0.021	0.048	0.057	0.006	0.048
13	0.075	0.090	0.045		0.017	0.015	0.015	0.019	0.030	0.071	0.037	0.055
14	0.013	0.068	0.045	0.032	0.013	0.013	0.016	0.042	0.017	0.097	0.040	0.040
15		0.028	0.015	0.014	0.017	0.018	0.022	0.040	0.038		0.047	0.031
16	0.065	0.067	0.041	0.019	0.044	0.022	0.030	0.041	0.021	0.022	0.050	0.043
17	0.016	0.072	0.024		0.039	0.004	0.016	0.038	0.022	0.035	0.026	0.037
18	0.048	0.078	0.025	0.019	0.051	0.000	0.036	0.035	0.044	0.014	0.013	0.061
19	0.093	0.025	0.007	0.030	0.013	0.019	0.047	0.009	0.031	0.058	0.060	0.125
20	0.078	0.011	0.041	0.024	0.022	0.014	0.029	0.026	0.033	0.041	0.065	0.089
21	0.052	0.039	0.011	0.037	0.009	0.006	0.055		0.017	0.064	0.074	0.054
22	0.031	0.027	0.039	0.006	0.048	0.018	0.027	0.030	0.040	0.015	0.043	0.019
23	0.076	0.034	0.035	0.006	0.027	0.045	0.010	0.012	0.029	0.040	0.021	0.037
24	0.030	0.016	0.056	0.022	0.034	0.026	0.031	0.024	0.012	0.015	0.081	0.061
25	0.028	0.031	0.050	0.034	0.038	0.011	0.029	0.027	0.039	0.027	0.073	0.017
26	0.032	0.020	0.013	0.019	0.014	0.068	0.026	0.010	0.037	0.068	0.034	0.065
27	0.010	0.049	0.030	0.021	0.001	0.036	0.036	0.009	0.029	0.031	0.023	0.056
28	0.028	0.022	0.046	0.085	0.000	0.026	0.047	0.077	0.017	0.026	0.097	0.054
29	0.043		0.036	0.014			0.032	0.039	0.029	0.008	0.059	0.085
30	0.077		0.028	0.007		0.032	0.018	0.029	0.033	0.049	0.043	0.016
31	0.100		0.037		0.016		0.021	0.040		0.071		0.016
Monthly mean	0.051	0.045	0.035	0.026	0.023	0.020	0.026	0.028	0.028	0.040	0.049	0.048

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.061	0.359	0.019	0.015	0.022	0.039	0.014	0.011	0.023	0.024	0.078	0.076
2	0.069	0.042	0.046	0.059	0.022	0.015	0.003	0.038	0.042	0.073	0.064	0.220
3	0.120	0.030	0.021	0.025	0.014	0.046	0.013	0.018	0.071	0.061	0.056	0.057
4	0.093		0.023	0.010	0.025	0.012	0.007	0.021	0.023	0.092	0.025	0.101
5	0.051		0.028	0.041	0.019	0.036	0.016	0.022	0.050	0.069	0.002	0.285
6	0.083	0.038	0.087	0.074	0.030	0.025	0.060	0.022	0.016	0.030	0.036	0.171
7	0.081	0.017	0.040	0.017	0.008	0.017	0.004	0.063	0.023	0.025	0.033	0.122
8	0.058	0.100	0.050	0.002	0.044	0.014	0.018	0.032	0.013	0.006	0.050	0.226
9	0.074	0.250	0.090		0.027	0.016	0.013	0.016	0.010	0.020	0.161	0.168
10	0.127	0.047	0.069		0.056	0.013	0.010	0.015	0.014	0.033		0.030
11	0.026	0.028	0.033		0.078	0.006	0.019	0.014	0.041	0.036		
12	0.079	0.023	0.007		0.021	0.024	0.013	0.014	0.078	0.092		0.099
13	0.133	0.090	0.027		0.064	0.012	0.007	0.014	0.089	0.085	0.020	0.227
14	0.095	0.094	0.048		0.034	0.010	0.022	0.026	0.106	0.038	0.037	0.167
15	0.044	0.048	0.026		0.027	0.009	0.014	0.116	0.030	0.040	0.020	0.035
16	0.027	0.006	0.015		0.007	0.009	0.003	0.053	0.007	0.038	0.037	0.032
17	0.054	0.050	0.018		0.081	0.012	0.032	0.088	0.026	0.064	0.058	0.078
18	0.032	0.081	0.011	0.015	0.050		0.014	0.018	0.070	0.016	0.032	0.114
19	0.091	0.042	0.018	0.014	0.026		0.029	0.015	0.060	0.023	0.015	0.131
20	0.110	0.043	0.042	0.075	0.011	0.005	0.020	0.026	0.061	0.061	0.027	0.228
21	0.031	0.023	0.053	0.098	0.014	0.041	0.026	0.033	0.014	0.041	0.052	0.149
22		0.018	0.028	0.010	0.044	0.015	0.028	0.024	0.015	0.081	0.101	0.036
23		0.040	0.035	0.012	0.016	0.015	0.008	0.019	0.015	0.165	0.028	0.016
24	0.173	0.014	0.029	0.017	0.019	0.004	0.014	0.017	0.009	0.098	0.076	0.025
25	0.093		0.031	0.032	0.015	0.001	0.012	0.060	0.047	0.021	0.118	0.062
26	0.137		0.037	0.071	0.011	0.003	0.008	0.031	0.047	0.084	0.309	0.032
27	0.048		0.014	0.018	0.017	0.030	0.008	0.013	0.019	0.069	0.184	0.054
28	0.008		0.023	0.024	0.018	0.012	0.016	0.010	0.012	0.024	0.036	0.058
29	0.005		0.025	0.033	0.016	0.010	0.019	0.018	0.018	0.096	0.095	0.025
30	0.045		0.021	0.068	0.009	0.013	0.006	0.023	0.010	0.121	0.065	0.052
31	0.197		0.017		0.036		0.027	0.015		0.196		0.041
Monthly mean	0.076	0.066	0.033	0.034	0.028	0.017	0.016	0.029	0.035	0.062	0.066	0.102

Table 6-9. NITROGEN DIOXIDE, DAILY AVERAGES, 1967
(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.047	0.029	0.040	0.053	0.069	0.056	0.054	0.061	0.044	0.055	0.035	
2	0.047	0.045	0.057	0.049	0.043	0.076		0.078	0.039	0.043	0.027	0.026
3	0.045	0.048	0.050	0.059	0.053	0.099		0.069	0.026	0.049		0.025
4	0.042	0.042	0.041	0.063	0.049	0.109		0.054		0.036	0.039	0.027
5	0.020	0.037	0.036	0.087		0.088		0.072		0.033	0.034	
6		0.048	0.058	0.057	0.058	0.067	0.051	0.063	0.079	0.024	0.059	
7		0.047		0.052	0.062	0.060	0.050	0.058	0.080	0.019	0.072	
8		0.054	0.049	0.075	0.045	0.052	0.047	0.055	0.114	0.015	0.063	0.046
9		0.055	0.050	0.073	0.047	0.052	0.040	0.052	0.035	0.022	0.035	
10	0.046	0.041	0.083	0.064	0.064		0.039	0.030		0.024	0.045	
11	0.047	0.037	0.059	0.082	0.049		0.049	0.040	0.040	0.026	0.031	0.030
12	0.047	0.048	0.050	0.101	0.044		0.033	0.058		0.041	0.021	0.035
13	0.058	0.044	0.047	0.072	0.066	0.058	0.026			0.044		0.036
14		0.053	0.053	0.069	0.064	0.064	0.032		0.044	0.053		
15		0.038	0.056	0.087	0.057	0.068	0.030	0.095	0.039	0.036		0.040
16		0.049	0.061	0.091	0.073	0.064	0.052	0.074		0.033		0.036
17		0.051	0.054	0.037	0.070	0.029	0.057	0.061		0.038		0.033
18	0.025	0.049	0.064	0.018	0.062	0.032	0.061	0.055	0.046	0.029		0.030
19	0.034	0.055	0.068	0.026	0.049	0.040	0.057	0.027	0.034	0.040		0.016
20	0.037	0.061	0.072	0.040	0.043		0.047	0.043	0.030	0.025		
21	0.052		0.070	0.044	0.061	0.081	0.067	0.046	0.020	0.021	0.034	0.033
22	0.039		0.081	0.037	0.051	0.050	0.067	0.030	0.018	0.029	0.023	0.036
23	0.040	0.040	0.071	0.056	0.059	0.075	0.045	0.042	0.029	0.043	0.023	0.034
24	0.037	0.036	0.055	0.045	0.082	0.052	0.051	0.038	0.024	0.029		0.035
25	0.022	0.041	0.081	0.061	0.098	0.057	0.059	0.087	0.034	0.017	0.025	0.032
26		0.045	0.067	0.057	0.087	0.087	0.063	0.049		0.024	0.023	0.040
27		0.042	0.054	0.076	0.062	0.091	0.063	0.026	0.020	0.025	0.023	0.049
28		0.042	0.066	0.086	0.052	0.061	0.038	0.061	0.019	0.028	0.031	0.047
29			0.066	0.067	0.050	0.064	0.058	0.067	0.028	0.030	0.044	
30			0.074	0.080	0.051	0.061	0.064	0.032	0.042	0.044		
31			0.056		0.052		0.048	0.033		0.034		
Monthly mean	0.041	0.045	0.060	0.062	0.059	0.065	0.050	0.053	0.040	0.032	0.036	0.034

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.028	0.035	0.030	0.034			0.037	0.028	0.029	0.026	0.023	0.030
2	0.037	0.027	0.029	0.022	0.028		0.029	0.020	0.028	0.029	0.028	0.030
3	0.043	0.024	0.027	0.018	0.046	0.026	0.038		0.035	0.031	0.018	0.026
4	0.035	0.023	0.024	0.032	0.026	0.018		0.018	0.032	0.031	0.023	0.030
5	0.023	0.032	0.029		0.028	0.028		0.019	0.036	0.033	0.015	0.031
6	0.034	0.031	0.036	0.044	0.027	0.022		0.031	0.043	0.019	0.022	0.035
7	0.028	0.053	0.029	0.042	0.028	0.027			0.048	0.022	0.025	0.030
8	0.035	0.040	0.041	0.027	0.011	0.024			0.035	0.020	0.036	0.028
9	0.036	0.032	0.048	0.031	0.017	0.032			0.022	0.017	0.028	0.026
10	0.039	0.026	0.049	0.025	0.036	0.030	0.015		0.019	0.025	0.040	0.030
11	0.036	0.023		0.023	0.015	0.028	0.017		0.028	0.028	0.032	0.023
12	0.038	0.022	0.026	0.033	0.012	0.028			0.022	0.030	0.017	0.023
13	0.037	0.032	0.043	0.031	0.023	0.029	0.022		0.022	0.030	0.024	0.030
14	0.020	0.032	0.044	0.018	0.023	0.028	0.019		0.037	0.024	0.026	0.028
15	0.018	0.023	0.030	0.020	0.018	0.019	0.025		0.047	0.024	0.031	0.028
16	0.023	0.019	0.028	0.030	0.023	0.031	0.027		0.069	0.033	0.032	0.028
17	0.019	0.025	0.022	0.021	0.032	0.026	0.037		0.042	0.027	0.031	0.027
18	0.024	0.037	0.032	0.022	0.037	0.018	0.030		0.056	0.026	0.016	0.026
19	0.030	0.031	0.034	0.023	0.025	0.024	0.035		0.058	0.023	0.021	0.043
20	0.031	0.028		0.024	0.017	0.021	0.029		0.037	0.023	0.025	
21	0.027	0.030		0.027	0.026	0.015	0.040		0.024	0.021	0.028	
22	0.026	0.030		0.025	0.036	0.020	0.027	0.020	0.023	0.024	0.026	0.026
23	0.024	0.026		0.023	0.026	0.030	0.026	0.034	0.030	0.035	0.020	0.017
24	0.025	0.022	0.029	0.018	0.036		0.021	0.033	0.032	0.030	0.020	0.017
25	0.027	0.025	0.049	0.017	0.036		0.025	0.028		0.017	0.024	0.014
26	0.026	0.029	0.057	0.024	0.036	0.026	0.033	0.041		0.019	0.026	0.021
27	0.020	0.025	0.052	0.031		0.035	0.023	0.026	0.013	0.021	0.025	0.026
28	0.021	0.026		0.041	0.030	0.025	0.023	0.037	0.011	0.025	0.028	0.027
29	0.029			0.044	0.024	0.025	0.022	0.044		0.024	0.031	0.021
30	0.024		0.032	0.026	0.012	0.051	0.025			0.033	0.035	0.024
31	0.034		0.032				0.022			0.032		0.021
Monthly mean	0.029	0.029	0.036	0.028	0.026	0.026	0.027		0.034	0.026	0.026	0.026

Table 6-9 (continued). NITROGEN DIOXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.035	0.034	0.047	0.021	0.029				0.037		0.045	0.038
2		0.041	0.051	0.015	0.022						0.034	0.059
3	0.032	0.036	0.032		0.016						0.052	0.065
4	0.040	0.030	0.025		0.019						0.056	
5	0.038	0.018	0.027	0.026	0.020	0.025			0.037		0.040	0.059
6	0.028	0.030	0.044	0.026	0.029				0.049		0.067	
7	0.035	0.025		0.037	0.021				0.038	0.025	0.049	0.068
8	0.039	0.037	0.063	0.026			0.017		0.038	0.030	0.044	0.052
9	0.045	0.024	0.048	0.017				0.034		0.024	0.054	
10	0.041	0.026	0.059	0.026		0.026		0.046	0.037	0.031	0.044	0.059
11	0.038	0.030	0.038	0.018				0.045	0.028	0.031		0.037
12	0.032	0.015	0.039	0.022				0.043	0.023	0.028		0.036
13	0.036		0.055	0.021				0.038	0.031	0.024		0.053
14	0.034	0.025	0.035	0.035	0.019		0.044	0.045	0.043	0.028	0.056	
15	0.047	0.025	0.036	0.035			0.038	0.037	0.042	0.022	0.040	
16	0.025	0.030	0.037	0.032				0.048	0.028	0.043	0.035	
17	0.040	0.036	0.032					0.035		0.049	0.046	0.038
18	0.042	0.040	0.047	0.036			0.049	0.042	0.040	0.048	0.048	0.077
19	0.044	0.030	0.035	0.016		0.020	0.049		0.042	0.039	0.029	0.068
20	0.043	0.035		0.016		0.024			0.046	0.072	0.033	0.033
21	0.065	0.035		0.020					0.048	0.050	0.029	0.029
22	0.025	0.027		0.023			0.041	0.050	0.046		0.055	
23	0.030	0.023		0.014		0.012	0.043		0.038		0.040	0.032
24	0.027	0.042		0.037				0.052	0.054		0.040	0.023
25	0.026	0.054		0.026					0.054	0.068	0.024	0.026
26	0.066	0.035		0.041					0.030	0.031	0.031	0.047
27	0.043	0.041							0.050		0.055	
28	0.040	0.036		0.029					0.050	0.034		0.047
29	0.033			0.017					0.041	0.028		0.091
30	0.033			0.010						0.050	0.081	0.049
31	0.029							0.009		0.048		
Monthly mean	0.038	0.032	0.042	0.024					0.041	0.038	0.045	0.048

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.038	0.054	0.021	0.081	0.089	0.065	0.035	0.056	0.021	0.025	0.028	0.029
2	0.045	0.047	0.045	0.095	0.079	0.067	0.026	0.049	0.024	0.042	0.023	0.037
3	0.082	0.035	0.054	0.059	0.033	0.060	0.043	0.029	0.024	0.063	0.031	0.025
4	0.083	0.054	0.053	0.040	0.030	0.050	0.033	0.028	0.032		0.024	0.022
5	0.046	0.042	0.041	0.075	0.038	0.055	0.040	0.040	0.045		0.021	0.036
6	0.042		0.041	0.079	0.030	0.059	0.047	0.035	0.048		0.024	0.030
7	0.045		0.040	0.040	0.027	0.047	0.047	0.050	0.048		0.022	0.032
8	0.040	0.046	0.060	0.041	0.028	0.053	0.041	0.035	0.041	0.025	0.024	0.028
9	0.047	0.066	0.068	0.051	0.023	0.054	0.032	0.035	0.044	0.020	0.049	0.040
10	0.053	0.071	0.087	0.051	0.036	0.066	0.054		0.027	0.023	0.042	0.018
11	0.034	0.049	0.082	0.031	0.053	0.059	0.055	0.026	0.033	0.024	0.040	0.021
12	0.036	0.029	0.033		0.037		0.048	0.028	0.026	0.022	0.031	0.023
13	0.063	0.046	0.045			0.059	0.056	0.026	0.069	0.032	0.017	0.028
14	0.049	0.064	0.046	0.069		0.050	0.052	0.045	0.054	0.038	0.025	0.030
15	0.042	0.072	0.039	0.076	0.045	0.068	0.037	0.058	0.034	0.039	0.017	0.020
16	0.038	0.049	0.036	0.058	0.049	0.073	0.050	0.071	0.014	0.029	0.022	0.020
17	0.047		0.042	0.045	0.075	0.043	0.069	0.068	0.033	0.045	0.028	0.025
18	0.032	0.047	0.035	0.034	0.062	0.031	0.065	0.053	0.050	0.018	0.024	0.036
19	0.049	0.079	0.048	0.029	0.072	0.041	0.033	0.032	0.048	0.018	0.017	0.031
20	0.062	0.057	0.068	0.044	0.047	0.037	0.038	0.034	0.056	0.032	0.019	0.058
21	0.048	0.040	0.059	0.065	0.043	0.041	0.049	0.045	0.022	0.034	0.024	0.070
22	0.078	0.046	0.053	0.057	0.052	0.048	0.060	0.042	0.019	0.028	0.035	0.026
23	0.065	0.051	0.059	0.037	0.050	0.059		0.038	0.022	0.043	0.021	0.019
24	0.075	0.034		0.047	0.043	0.063	0.030	0.030	0.031	0.044	0.022	0.020
25	0.068	0.019		0.036	0.035	0.053	0.056	0.032	0.024	0.031	0.024	0.029
26	0.093	0.013	0.052	0.041	0.049	0.031	0.043	0.051	0.033	0.024	0.051	0.029
27	0.037	0.027	0.037	0.051	0.059	0.055	0.072	0.027	0.027	0.033	0.043	0.034
28	0.034	0.023	0.049	0.037	0.054	0.066	0.041	0.033	0.015	0.023	0.016	0.037
29	0.034		0.056	0.043	0.044	0.044	0.041	0.041	0.017	0.028	0.024	0.024
30	0.036		0.069	0.060		0.033	0.042	0.052	0.023	0.046	0.028	0.034
31	0.047		0.066		0.034		0.063	0.029		0.047		0.036
Monthly mean	0.051	0.047	0.051	0.053	0.047	0.053	0.047	0.041	0.033	0.032	0.027	0.031

Table 6-9 (continued). NITROGEN DIOXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.027	0.028	0.028	0.034	0.027	0.001	0.033	0.027		0.029	0.018	0.011
2	0.034	0.028	0.042	0.022	0.018	0.030	0.015	0.026	0.031	0.036	0.014	0.013
3	0.027	0.027	0.037	0.019		0.018	0.021	0.024	0.034	0.032	0.015	0.012
4	0.035	0.029	0.031	0.020	0.042	0.000	0.016	0.017	0.034	0.029	0.016	0.016
5	0.027	0.025	0.023	0.017	0.032	0.013	0.023	0.031	0.035	0.018	0.012	0.020
6	0.028	0.023	0.024	0.012	0.024	0.023	0.050	0.022	0.032	0.019	0.024	0.018
7	0.026	0.036	0.042	0.022	0.017	0.021	0.043	0.028	0.036	0.016	0.026	0.011
8	0.026	0.044	0.034	0.022	0.018	0.021	0.031	0.024	0.042	0.006	0.023	0.020
9	0.033	0.038	0.043	0.024	0.023	0.024	0.016	0.018	0.026	0.015	0.020	0.011
10	0.027	0.037	0.060	0.022	0.031	0.019	0.023	0.016	0.015	0.009	0.025	0.010
11	0.029	0.020	0.041	0.027	0.022	0.019	0.032	0.021	0.026	0.028	0.021	0.005
12	0.037	0.023	0.029	0.028	0.022	0.031	0.029	0.026	0.030	0.022	0.018	0.014
13	0.038	0.040	0.040	0.022	0.014	0.030	0.012	0.028	0.021	0.035	0.014	0.013
14	0.032	0.043	0.026	0.031	0.011	0.033	0.018	0.036	0.019	0.039	0.019	0.008
15	0.024	0.023	0.025	0.024	0.014	0.033	0.019	0.036	0.026	0.022	0.020	0.009
16	0.029	0.020	0.036	0.010	0.019	0.022	0.019	0.036	0.020	0.019	0.025	0.013
17	0.024	0.027	0.030	0.018	0.029	0.001	0.022	0.033	0.023	0.029	0.027	0.012
18	0.032	0.029	0.038	0.019	0.022	0.012	0.032	0.024	0.027	0.022	0.016	0.015
19	0.041	0.025	0.031	0.027	0.009	0.035	0.051	0.008	0.025	0.029	0.025	0.017
20	0.039	0.016	0.040	0.032	0.006	0.026	0.042	0.015	0.027	0.026	0.025	0.013
21	0.035	0.021	0.028	0.032	0.004	0.010	0.055	0.016	0.021	0.030	0.045	0.004
22	0.032	0.016	0.043	0.016	0.009	0.024	0.025	0.019	0.023	0.021	0.016	0.016
23	0.034	0.017	0.043	0.013	0.012	0.039	0.020	0.018	0.026	0.034	0.016	0.014
24	0.021	0.011	0.035	0.021	0.013	0.022	0.033	0.026	0.016	0.021	0.027	0.018
25	0.024	0.029	0.028	0.024	0.025	0.014	0.034	0.028	0.026	0.014	0.027	0.016
26	0.023	0.021	0.025	0.027	0.029	0.033	0.036		0.025	0.021	0.024	0.024
27	0.027	0.026	0.019	0.026	0.014	0.035	0.029		0.011	0.013	0.016	0.021
28	0.036	0.028	0.032	0.029	0.010	0.033	0.035		0.015	0.016	0.016	0.023
29	0.037		0.032	0.029	0.004		0.031	0.048	0.025	0.013	0.014	0.030
30	0.035		0.030	0.018	0.008	0.053	0.021	0.036	0.028	0.022	0.015	0.010
31	0.046		0.031		0.013		0.023	0.027		0.016		0.017
Monthly mean	0.031	0.027	0.034	0.023	0.018	0.023	0.029	0.026	0.026	0.023	0.021	0.015

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.087	0.034	0.061	0.054	0.064		0.030	0.017	0.027	0.057	0.045
2		0.044	0.055	0.072	0.040	0.077		0.041	0.030	0.046	0.038	0.071
3		0.029	0.059	0.051	0.038	0.079	0.041	0.029	0.034	0.068	0.040	0.037
4		0.045	0.050	0.044	0.045	0.047	0.047	0.027	0.033	0.054		0.035
5		0.037	0.026	0.055	0.047	0.056	0.059		0.047	0.056		0.067
6		0.037	0.031	0.066	0.040	0.043	0.068	0.027	0.049	0.027	0.031	0.059
7		0.034	0.037	0.048	0.027	0.038	0.033	0.044	0.049	0.023	0.028	0.064
8		0.060	0.069	0.035	0.048	0.044	0.027	0.030	0.043	0.025	0.042	0.059
9		0.074	0.070	0.031	0.031	0.049	0.028	0.019	0.032	0.032	0.057	0.046
10		0.046	0.068	0.043	0.037	0.045	0.039	0.029	0.028	0.021	0.075	0.024
11	0.036	0.041	0.053	0.066	0.056	0.034	0.042	0.022	0.029	0.034	0.035	
12	0.047	0.029	0.035	0.084	0.041	0.053	0.038	0.020	0.046	0.041		0.039
13	0.058	0.056	0.035	0.059	0.046	0.047	0.038	0.027	0.045	0.054		0.046
14	0.035	0.062	0.056	0.080	0.038	0.033	0.045	0.021	0.052	0.043	0.046	0.055
15	0.027	0.046	0.044		0.035	0.048	0.035	0.041	0.039	0.030	0.043	0.041
16	0.045	0.022	0.033		0.037	0.045	0.029	0.054	0.021	0.033	0.049	0.023
17	0.077	0.034	0.040		0.069	0.035	0.054	0.054	0.026	0.040	0.051	0.018
18		0.059			0.053	0.035	0.048	0.039	0.038	0.026	0.036	0.040
19		0.045			0.060	0.035	0.052	0.042	0.038	0.029	0.024	0.038
20		0.040			0.046	0.049	0.033	0.039	0.056	0.046	0.026	0.047
21	0.048	0.038	0.058		0.046	0.088	0.041	0.039	0.027	0.039	0.038	0.037
22	0.054	0.039	0.054		0.053	0.040	0.040	0.024	0.024	0.031	0.046	0.020
23	0.053	0.046	0.051		0.050	0.055	0.032	0.030	0.019	0.055	0.026	0.019
24	0.062	0.032	0.054		0.047	0.045	0.033	0.028	0.015	0.048	0.026	0.017
25	0.059	0.027	0.060		0.045	0.032	0.032	0.046	0.028	0.027	0.037	0.030
26	0.067	0.038	0.057		0.048	0.034	0.036	0.042	0.043	0.032	0.061	0.020
27	0.035	0.050	0.036	0.051	0.058	0.066	0.047	0.027	0.031	0.041	0.053	0.035
28	0.027	0.034	0.037	0.035	0.068	0.053	0.045	0.022	0.024		0.025	0.041
29	0.026		0.048	0.037	0.062	0.042	0.043	0.035	0.023		0.047	0.036
30	0.033		0.057	0.048	0.035	0.040	0.027	0.037	0.022	0.061	0.044	0.041
31	0.060		0.054		0.057		0.049	0.018		0.083		0.025
Monthly mean	0.046	0.044	0.049	0.054	0.047	0.048	0.040	0.033	0.033	0.040	0.042	0.039

Table 6-10. SULFUR DIOXIDE, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			0.238	0.067	0.105	0.040	0.070	0.019	0.008	0.104	0.183	0.150
2		0.336	0.380	0.066	0.037	0.053	0.016	0.044	0.002	0.178	0.174	0.139
3		0.389	0.298	0.045	0.056	0.087	0.021	0.090	0.001	0.149	0.192	0.202
4	0.386	0.264	0.055	0.130	0.021	0.101	0.013	0.027	0.008	0.149	0.091	0.364
5	0.322	0.142	0.109	0.071	0.019	0.063	0.007	0.051	0.000	0.014	0.080	0.213
6	0.247	0.141	0.210	0.042	0.014	0.086	0.013	0.063	0.004	0.009	0.274	0.152
7		0.221	0.288	0.033	0.031	0.074	0.014	0.033	0.000	0.045	0.274	0.189
8		0.654	0.388	0.062	0.022	0.101	0.050	0.032	0.055	0.022	0.277	0.170
9		0.377	0.401	0.027	0.081	0.112	0.054	0.015	0.022	0.058	0.147	0.044
10		0.333	0.285	0.028	0.050	0.051	0.016	0.017		0.087	0.139	0.061
11	0.481	0.204		0.043	0.047	0.041	0.044	0.008		0.132	0.151	0.171
12	0.424	0.391		0.023	0.021	0.085	0.019	0.029	0.074	0.109	0.055	0.191
13	0.474	0.416	0.192	0.033	0.021	0.094	0.020	0.033	0.011	0.137	0.126	0.131
14	0.262	0.538	0.175	0.103	0.014	0.151	0.011	0.121	0.034	0.099	0.149	0.233
15	0.133	0.190	0.224	0.042	0.049	0.202	0.001	0.147	0.028	0.044	0.203	0.162
16		0.423	0.205	0.035	0.129	0.141	0.021	0.079	0.012	0.008	0.311	0.256
17	0.157	0.267	0.258	0.047	0.102	0.054	0.052	0.160	0.007	0.018	0.191	0.154
18	0.325	0.220	0.265	0.021	0.257	0.028	0.121	0.046	0.011	0.042	0.084	0.179
19	0.400	0.277	0.170	0.009	0.045	0.032	0.002	0.022	0.051	0.109	0.123	0.126
20	0.420	0.197	0.145	0.044	0.047	0.034	0.001	0.036	0.143	0.073	0.173	0.230
21	0.392	0.359	0.165	0.067	0.072	0.113	0.103	0.100	0.017		0.262	0.161
22	0.143	0.380	0.386	0.026	0.051	0.034	0.125	0.016	0.003	0.067	0.132	0.125
23	0.293	0.290		0.031	0.099	0.105	0.066	0.027	0.121		0.144	0.249
24	0.170	0.232	0.037	0.130	0.089	0.019	0.025	0.027	0.027	0.054	0.308	0.259
25	0.159	0.335	0.128	0.142	0.060	0.024	0.036	0.044	0.096	0.059	0.196	0.217
26	0.128	0.278	0.052	0.076	0.169	0.056	0.100	0.050	0.086	0.165	0.150	0.235
27	0.280	0.366	0.041	0.092	0.075	0.068	0.062	0.010	0.020	0.131	0.103	0.369
28	0.252	0.349	0.082	0.048	0.015	0.037	0.007	0.061	0.029	0.139	0.142	0.221
29	0.182		0.042	0.031	0.033	0.057	0.072	0.194	0.084	0.143	0.293	0.440
30	0.094		0.051	0.012	0.016	0.041	0.017	0.023	0.080	0.144	0.087	0.326
31	0.278		0.079		0.028		0.011	0.012		0.078		0.221
Monthly mean	0.274	0.317	0.191	0.054	0.060	0.072	0.039	0.052	0.037	0.088	0.174	0.206

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.014	0.036	0.022	0.030		0.032	0.014	0.019			0.008	
2	0.018	0.022	0.026	0.021		0.032	0.009	0.015			0.009	
3	0.025	0.019	0.010	0.024	0.019	0.028	0.011	0.026			0.022	
4	0.030	0.018	0.003	0.033	0.018	0.017	0.011	0.014			0.009	
5	0.027	0.015	0.019	0.022	0.040	0.017	0.017	0.010			0.017	
6	0.028	0.019	0.022	0.022	0.015	0.015	0.012	0.009			0.013	
7	0.024	0.035	0.039	0.017	0.016	0.019	0.027				0.020	
8	0.030	0.056	0.045	0.007	0.024	0.044	0.017				0.027	
9	0.039	0.050	0.052	0.009	0.021	0.021	0.020				0.022	
10	0.045	0.048	0.059	0.009	0.041	0.018	0.014					
11	0.049	0.011	0.018		0.022	0.005	0.020					
12	0.040	0.021	0.013	0.050	0.013	0.016	0.030					
13	0.045	0.067	0.046	0.017	0.026	0.027	0.032					0.007
14	0.013	0.034	0.037	0.011	0.019	0.022	0.001					0.000
15	0.010	0.034	0.018	0.014	0.014	0.022	0.015					0.001
16	0.040	0.014	0.014	0.008	0.014	0.024	0.013				0.009	0.006
17	0.016	0.033	0.004	0.019	0.014	0.021	0.021				0.011	0.000
18	0.013	0.044	0.008	0.013	0.053	0.009	0.028				0.003	
19	0.035	0.035	0.004	0.023	0.037	0.018	0.022				0.015	
20	0.056	0.031	0.001	0.025	0.015	0.014	0.020					
21	0.012	0.030	0.003	0.005	0.012	0.023	0.017					
22	0.025	0.026	0.009	0.007	0.012	0.008	0.022					
23	0.019	0.021	0.007	0.005	0.011	0.025	0.015					
24	0.045	0.017	0.019	0.011	0.019	0.021	0.023					
25	0.037	0.017	0.009	0.024	0.028	0.005	0.017					
26	0.029	0.031		0.040	0.027	0.017	0.024					
27	0.024	0.026	0.008	0.026		0.021	0.030					
28	0.021	0.022	0.014	0.022	0.008	0.030	0.018			0.011		
29	0.013		0.024	0.022	0.010	0.023	0.013			0.010		
30	0.013		0.042	0.010	0.015	0.016				0.008		
31	0.052		0.033		0.017		0.024			0.003		
Monthly mean	0.029	0.030	0.021	0.018	0.021	0.020	0.018					

Table 6-10 (continued). SULFUR DIOXIDE, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.010	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.005		0.005
2	0.004	0.003	0.012	0.003	0.000	0.002		0.000	0.000	0.005	0.001	0.002
3	0.011	0.003	0.005	0.000	0.000	0.001	0.004	0.001	0.001		0.005	0.015
4	0.013	0.006	0.001	0.001	0.000	0.001	0.011	0.000	0.000		0.007	0.019
5	0.011	0.010	0.001	0.002	0.000	0.001	0.012	0.009	0.001		0.004	0.031
6		0.013	0.018	0.000	0.000	0.001	0.017	0.001	0.002		0.009	0.019
7	0.014	0.000		0.001	0.000	0.000	0.009	0.001	0.001	0.001	0.012	
8	0.012	0.006		0.006	0.002	0.000		0.001	0.001	0.002	0.007	0.022
9	0.024		0.002	0.000	0.004	0.001		0.000	0.001	0.000	0.011	0.024
10	0.011		0.004	0.000	0.000	0.001			0.003	0.000	0.009	
11	0.003		0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.017		0.041
12	0.007		0.005	0.000	0.000	0.002	0.000	0.000	0.000	0.021		0.039
13	0.001		0.002	0.000	0.000	0.003	0.000	0.000	0.006			0.040
14	0.000	0.001	0.002	0.001	0.000	0.001	0.000	0.004			0.013	0.044
15	0.006		0.001	0.001	0.000	0.000	0.000	0.003	0.000		0.012	0.044
16	0.001	0.000	0.003	0.001	0.000	0.000	0.000	0.003	0.001		0.008	
17	0.002	0.002	0.003	0.001	0.002	0.000	0.000	0.002	0.001		0.008	
18	0.010	0.005	0.005	0.002	0.000	0.000	0.000	0.005	0.003	0.006	0.010	0.051
19	0.008	0.001	0.001	0.001	0.002	0.000	0.000	0.004	0.001	0.005	0.010	0.034
20	0.011	0.011	0.000	0.000	0.000	0.001	0.000		0.001	0.014	0.003	
21	0.016	0.005	0.001	0.000	0.001	0.001		0.001	0.001	0.007	0.003	
22	0.003	0.000	0.001	0.000	0.002	0.004	0.000	0.002	0.002	0.013	0.005	
23	0.003	0.000	0.001	0.000	0.000	0.000		0.002	0.003	0.007	0.003	0.029
24	0.006	0.003	0.001	0.001	0.001	0.000	0.001	0.002	0.006	0.001	0.002	0.022
25	0.003	0.020	0.000	0.000	0.000	0.002	0.001	0.007			0.000	0.026
26	0.013	0.007	0.000	0.002	0.001	0.003	0.000	0.002	0.000		0.001	0.029
27	0.019	0.009	0.001		0.000		0.000		0.003	0.008	0.005	0.027
28	0.015	0.006	0.006	0.003	0.001		0.000	0.002	0.003	0.006	0.013	0.023
29	0.014		0.001	0.000	0.001	0.002	0.000	0.003		0.002	0.005	0.029
30	0.012		0.000	0.000	0.000	0.000	0.000	0.000			0.008	0.040
31	0.022		0.002		0.000		0.000	0.000				0.069
Monthly mean	0.010	0.006	0.003	0.001	0.001	0.001	0.002	0.002	0.002	0.007	0.007	0.030

PHILADELPHIA

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.082		0.032	0.205	0.070	0.104	0.079	0.058	0.050	0.091	0.112	0.113
2	0.035		0.146	0.234	0.076	0.071	0.060	0.089	0.063	0.086	0.136	0.229
3			0.230	0.088		0.068		0.033	0.053	0.225	0.083	0.078
4			0.011	0.042				0.046	0.054	0.073	0.064	0.080
5			0.094	0.191		0.062	0.022	0.040	0.072	0.083	0.047	0.119
6			0.152	0.211		0.117	0.061	0.032	0.073	0.051	0.085	0.196
7			0.060	0.055		0.138	0.061	0.076	0.127	0.078	0.089	0.126
8			0.139	0.020		0.158	0.038	0.058	0.160	0.070	0.085	0.075
9			0.190	0.055		0.128	0.127	0.066	0.168	0.089	0.260	0.126
10		0.230	0.257		0.035	0.208	0.128	0.067	0.104	0.080	0.117	0.084
11		0.324	0.193	0.002	0.053	0.201	0.073	0.013	0.045	0.096	0.126	0.073
12		0.047	0.067	0.037	0.017		0.032	0.027	0.106		0.149	0.118
13		0.119	0.138	0.084		0.074	0.096	0.022	0.128	0.077	0.033	0.145
14		0.269	0.143	0.086	0.025	0.070	0.072	0.037	0.073	0.116	0.142	0.085
15			0.119	0.084	0.037	0.208	0.067	0.074	0.050	0.091	0.040	0.040
16		0.128	0.053		0.023	0.243	0.043	0.123	0.035	0.059	0.072	0.058
17		0.100	0.050		0.110	0.139	0.071	0.139	0.104	0.120	0.152	0.082
18		0.101	0.033	0.022	0.081	0.027	0.116	0.153	0.107	0.042	0.124	0.193
19		0.154	0.124	0.001	0.226	0.038	0.053	0.080	0.080	0.088	0.052	0.086
20		0.157	0.275	0.018	0.062	0.021		0.119	0.144	0.094	0.056	0.095
21		0.058	0.144	0.109	0.038	0.058	0.176	0.092	0.051	0.130	0.152	0.165
22		0.099	0.064	0.157	0.127	0.101	0.120	0.095	0.049	0.049	0.203	0.111
23		0.174	0.181	0.064	0.067	0.082	0.261	0.094	0.043	0.145	0.042	0.035
24	0.229	0.079	0.089	0.118	0.066	0.089	0.108	0.111	0.068	0.070	0.093	0.074
25	0.279	0.057	0.059	0.075	0.018	0.155	0.097	0.080	0.051	0.065	0.103	0.113
26	0.330	0.042	0.147	0.119	0.035	0.032	0.063	0.123	0.165	0.051	0.257	0.075
27	0.151	0.118	0.077	0.071	0.068	0.096	0.107	0.106	0.132	0.096	0.131	0.109
28	0.058	0.132	0.136	0.046	0.057	0.069	0.044	0.052	0.057	0.054	0.066	0.163
29	0.038		0.042	0.054	0.103	0.042	0.081	0.053	0.028	0.082	0.087	0.040
30			0.131		0.025	0.050	0.068	0.231	0.094	0.090	0.179	0.086
31	0.208		0.187		0.032		0.139	0.099		0.194		0.196
Monthly mean		0.134	0.120	0.087	0.066	0.100	0.088	0.080	0.084	0.092	0.111	0.109

Table 6-10 (continued). SULFUR DIOXIDE, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.001	0.043	0.093	0.015	0.035	0.123	0.027	0.027	0.013	0.023	0.004	0.018
2	0.004	0.025	0.214	0.023	0.006	0.113	0.007	0.008	0.011	0.044	0.001	0.031
3	0.000	0.081	0.119	0.017	0.018	0.136	0.016	0.001	0.009	0.044	0.000	0.012
4	0.006	0.037	0.093	0.025	0.040	0.128	0.018	0.002	0.020	0.038	0.000	0.021
5	0.013		0.038	0.064	0.025	0.105	0.044	0.017	0.014	0.022	0.003	0.035
6	0.060	0.058	0.005	0.017	0.018	0.085	0.031	0.005	0.015	0.007	0.018	0.016
7	0.000		0.067	0.018	0.009	0.086	0.004	0.005	0.019	0.022	0.021	0.007
8	0.000		0.052	0.030	0.011	0.075	0.001	0.004	0.005	0.003	0.060	0.043
9	0.015	0.093	0.028	0.035	0.015	0.021	0.000	0.002	0.002	0.017	0.027	0.031
10	0.002	0.026	0.044	0.049	0.042	0.030	0.004	0.023	0.021	0.013	0.015	0.035
11	0.020	0.016	0.049	0.048	0.041	0.020		0.002	0.019	0.040	0.012	0.021
12	0.035	0.033	0.036	0.032	0.084	0.017			0.030	0.028	0.010	0.029
13	0.042	0.037	0.137	0.046	0.086	0.014	0.000		0.007	0.046	0.018	0.071
14	0.006	0.079	0.048	0.034	0.087	0.006	0.001	0.005	0.011	0.023	0.012	0.027
15	0.003	0.040	0.004	0.038	0.036	0.004	0.007	0.013	0.011	0.004	0.027	0.012
16	0.033	0.022	0.040	0.025	0.053	0.014	0.002	0.006	0.003	0.015	0.010	0.027
17	0.003	0.037	0.033	0.010	0.050	0.006	0.001	0.011	0.006	0.010	0.010	0.011
18	0.019	0.006	0.054	0.019	0.127	0.003	0.016	0.007	0.010	0.000	0.010	0.036
19	0.042	0.018	0.030	0.018	0.013	0.019	0.034	0.002	0.012	0.012	0.078	0.020
20	0.039	0.010	0.048	0.021	0.010	0.003	0.017	0.050	0.018	0.008	0.070	0.038
21	0.064	0.014	0.026	0.019	0.030	0.001	0.041	0.066	0.000	0.014	0.091	0.018
22	0.039	0.020	0.071	0.010	0.030	0.000	0.021	0.056	0.013	0.006	0.046	0.008
23	0.083	0.017	0.049	0.021	0.038	0.003	0.008	0.099	0.019	0.009	0.032	0.017
24	0.037	0.011	0.043	0.021	0.022	0.000	0.008	0.093	0.003	0.010	0.041	0.035
25	0.051	0.039	0.019	0.019	0.000	0.000	0.002	0.062		0.003	0.084	0.014
26	0.043	0.047	0.008	0.026	0.028	0.002	0.018	0.020	0.012	0.021	0.034	0.031
27	0.015	0.064	0.021	0.024	0.024	0.015	0.011	0.001	0.009	0.001	0.007	0.019
28	0.029	0.051	0.066	0.044	0.036	0.007	0.023		0.004	0.026	0.080	0.099
29			0.056	0.033	0.049	0.026	0.024	0.052	0.003	0.022	0.035	0.128
30	0.087		0.037	0.054	0.093	0.054	0.022		0.007	0.020	0.015	0.031
31	0.057		0.012		0.104		0.014			0.017		0.024
Monthly mean	0.027	0.037	0.052	0.028	0.040	0.037	0.014	0.025	0.011	0.018	0.029	0.031

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						0.002	0.012	0.035		0.011	0.066	0.084
2						0.004	0.011	0.031		0.024	0.037	0.105
3						0.000	0.013	0.014		0.031	0.065	0.042
4						0.000		0.019	0.022	0.017	0.043	0.096
5				0.053		0.003		0.026	0.046	0.029	0.035	0.125
6						0.003		0.025	0.023	0.019	0.071	0.114
7						0.003	0.028	0.050	0.027	0.032	0.077	0.082
8						0.017	0.023	0.036	0.027	0.013	0.092	0.093
9					0.039	0.025	0.020	0.032	0.015		0.116	0.103
10					0.046	0.044	0.030	0.022	0.016		0.130	0.042
11					0.056	0.029	0.040	0.018	0.035	0.037	0.073	0.040
12					0.060	0.046	0.036	0.017	0.062	0.067	0.047	0.070
13					0.081	0.048	0.028	0.022	0.069	0.093	0.059	0.113
14					0.082		0.036	0.028	0.041		0.065	0.117
15							0.029	0.045	0.022		0.059	0.064
16						0.024	0.033	0.037	0.024	0.058	0.070	0.053
17						0.027	0.062	0.014	0.037	0.045	0.078	0.090
18						0.033	0.062			0.028	0.059	0.088
19							0.044			0.025	0.049	0.070
20							0.023			0.053	0.050	0.064
21							0.022			0.056	0.069	0.068
22										0.064	0.092	0.035
23										0.098	0.051	0.039
24										0.088	0.077	0.057
25					0.007				0.047	0.038	0.070	0.067
26					0.018				0.019	0.047	0.089	0.054
27					0.016	0.015			0.021	0.065	0.079	0.073
28					0.031	0.011			0.009	0.040	0.070	0.080
29					0.037	0.010				0.069	0.087	0.060
30					0.026	0.010			0.008	0.101	0.077	0.082
31					0.024					0.132		
Monthly mean						0.017	0.031	0.028	0.032	0.053	0.070	0.075

Table 6-11. TOTAL HYDROCARBONS, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.23	2.85	2.49	3.64	2.84	3.17	3.73	3.46	3.72	3.82	3.03	2.74
2	2.55	2.76	3.76	2.55	2.44	3.73	2.53		3.18	3.02	3.04	2.90
3	2.75	2.94	3.30	2.46	2.71	3.76	3.11	3.22	2.92	3.47	3.26	2.30
4	2.88	2.52	2.92	2.79	2.87	3.76	2.61	3.60	2.85	3.25	2.26	2.76
5	2.75	2.56	2.48	4.86	3.09	3.88	3.01	3.78	3.20	3.15	2.08	3.37
6	2.40	3.10	2.81	3.58	3.25	3.44	3.28	3.18	4.42	3.03	2.72	3.76
7	2.13	3.16	2.91	2.99	2.41	3.58	3.64	3.22	3.44	2.32	3.66	2.71
8	2.10	2.99	2.57	3.08	2.65	2.74	3.84	3.21	5.18	2.05	3.24	3.07
9	2.44	2.92	2.48	2.52	3.35	3.25	2.70	3.75	2.79	2.27	3.50	3.22
10	2.64	2.47	3.77	2.90	3.46	3.06	3.73	3.43	2.52	2.53	3.84	2.88
11	2.80	2.39		2.96	3.21	2.54	4.42	3.31	2.93	2.59	2.64	3.19
12	2.97	2.54		3.20	2.98	3.70	3.15		3.85	3.19	2.27	2.61
13	4.08	3.03	3.25	3.78	3.02	3.76	3.50		3.05	3.45	2.60	2.60
14	2.84		3.02	2.59	2.73	3.67	3.60		3.43	4.48	2.63	2.85
15	2.19	3.03	2.77	3.17	3.34	3.32	3.00	3.65	3.44	3.42	2.91	2.69
16	2.51	2.94	3.00	3.48	4.12	4.15	3.17	3.64	3.54	3.06	2.54	2.73
17	2.40	2.80	2.89	2.14	3.57	3.99	3.21	2.53	2.84	3.15	2.83	2.47
18	2.83	2.53	2.78	2.94	2.58	3.62	3.22		3.48	2.97	2.31	2.92
19	2.54	2.22	2.52	3.04	2.54	3.56	3.43	3.57	3.53	3.23	2.47	3.26
20	2.56	2.34	3.75	3.00	2.70	3.18	3.45	2.49	3.07	2.60	2.37	3.45
21	3.02	2.59	2.60	3.82	2.54	4.93	4.72	2.74	3.18	2.82	2.97	3.08
22	2.74	2.64	3.05	2.37	3.12	3.57	3.08	3.27	2.82	2.66	2.76	2.46
23	4.57	2.64	3.12	2.60	2.68	3.53	2.35	3.11	3.32	2.77	2.11	2.31
24		2.54	2.61	3.27	3.10	3.48	3.32	3.49	2.77	2.32	2.82	2.33
25	2.76		3.46	3.68	3.33	3.29	3.71	4.08	3.14	2.22	2.74	2.19
26	2.72		2.57	3.54	2.78	4.47	4.12		2.71	2.66	2.34	2.60
27	2.02		2.79	3.75	2.63	4.02			3.31	2.67	2.29	3.22
28	2.19	2.87	3.20	3.77	2.42	3.69	4.31	3.68	3.11	2.80	2.59	3.03
29	2.13		3.09	3.08	2.90	4.04	4.07	3.11	3.14	2.18	2.87	3.14
30	2.13		2.68	2.75	2.30	3.98	3.94	3.10	3.13	3.45	3.08	2.71
31	2.79		2.90		2.75			2.86		3.55		2.37
Monthly mean	2.63	2.72	2.94	3.15	2.91	3.63	3.44	3.29	3.27	2.94	2.75	2.83

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				2.00	2.03	1.82	2.40	2.66	2.09	2.35	2.61	2.82
2			2.04	2.03	1.96	1.98	1.84	2.40	2.56	2.59	2.41	
3			2.16	1.91	2.90	1.99	1.98	2.24	3.49	2.92	2.33	
4			2.14	2.19	2.83	1.91	2.05	2.27	3.61	2.89	2.10	2.86
5			2.58		3.01	3.08	3.27	2.45	3.46	2.58	2.27	3.69
6					2.38	2.54	2.06	3.26	3.21	2.49	2.29	3.04
7			1.95	2.13	2.21	2.14	2.09		3.65	2.42	2.58	
8			1.37	2.13	2.06	2.26	2.14		3.58	2.31	3.65	4.21
9			1.98	2.25	2.00	2.25	2.15		2.13	2.31	2.61	2.75
10			1.99	2.08	2.66	2.10	1.97		1.49	2.44	2.82	2.55
11			0.43	1.80	1.81	1.95	1.93		1.88	2.76	2.33	2.40
12			0.13	2.11	1.95	2.37	2.05		2.16	4.02	2.07	2.20
13			4.20	2.35	2.12	2.92	2.00		2.39	3.59	2.69	2.76
14				2.07	2.19	2.97	2.06		2.45	3.49		2.09
15			1.89	2.50	1.85	2.63	2.48		4.00	3.52	5.05	2.26
16			1.99	3.12	2.15	2.36	2.66		4.48	2.51	4.12	2.84
17			1.88	2.01	1.94	2.69	3.11	3.15	2.74	2.76	3.40	2.48
18			2.08	1.98	2.08	2.01	2.65		4.00	2.03	2.73	2.88
19			2.12	2.09	1.92	2.22	3.34		2.77	2.80	2.75	5.66
20			2.12	2.28	2.10	2.94	2.85		2.72	2.98	2.49	5.06
21				2.39	1.91	2.03	3.26	2.33	1.85	3.38	2.85	2.72
22				1.82	2.73	2.14	2.53	3.31	2.02	5.37	3.43	2.69
23			2.04	1.90	2.04	2.82	2.10	1.83	2.41	4.37	2.99	2.30
24			1.99	1.82	2.98	2.41	2.35	2.27	2.12	2.10	3.00	2.49
25			3.47	1.89	2.21	1.62	2.57			2.14	2.77	2.19
26			4.61	1.98	1.91	2.32	3.07	2.12		2.41	2.97	1.96
27			4.02	2.31		3.29	2.09	1.83	2.10	2.12	2.56	1.91
28			2.79	3.37	1.97	2.22	2.73	2.32	2.02	2.43	2.99	1.90
29			1.94	3.14	1.98	1.85	2.66	3.05	2.16	2.22	3.36	2.39
30			2.37	2.06	1.64	2.80	2.64	2.39	2.27	3.12	2.65	2.79
31			1.87		1.77		2.46	1.84		2.47		
Monthly mean			2.22	2.20	2.18	2.35	2.44	2.44	2.71	2.83	2.85	2.79

Table 6-11 (continued). TOTAL HYDROCARBONS, DAILY AVERAGES, 1967
(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.75	2.60	2.77	1.94	1.75	2.29	1.86	2.08	2.37	0.80	3.02	2.82
2		3.29		1.85	1.93	2.51		2.44	1.86		2.16	3.39
3		2.65	2.22	2.47	1.99	1.78	1.96	2.61	1.84		2.60	2.71
4		2.18	1.84	3.58	2.08	1.65	1.80	2.44	1.70		2.50	3.51
5		1.80	1.64	2.12	2.26	2.02	2.14	2.08	2.27		2.15	3.58
6		2.47	1.83	1.98	1.95	2.58	2.56	1.85	2.73		4.02	2.12
7		2.06		2.41	1.66	1.72	2.81	2.40	2.71	2.22	4.34	4.24
8		2.45		1.91	2.06	1.88	2.08	2.46	2.28	2.27	3.35	3.77
9		1.85	2.67	1.65	2.30	1.90	1.75	2.20			3.17	2.61
10	3.60	2.29	3.32	1.73	1.61	1.77	2.12	2.53	2.90	2.78	2.85	2.87
11	3.00	2.22	2.27	1.71	1.91	1.52	1.92	2.68	2.79	2.65	2.38	2.71
12	3.55	1.74	2.74	1.83	2.04	1.97		2.19	1.94	1.94	5.61	2.75
13	2.64	2.16	2.11	1.68	1.73	1.89	2.12	1.89	1.78	2.21	4.98	3.24
14	2.12	2.02	2.36	1.93	1.52	2.00	2.50	2.25	2.08			3.18
15	2.43	2.14	2.66	1.75	1.84	1.96		2.10	2.30	2.04		3.79
16	2.03	2.24	2.90	1.34	1.87	2.00		2.36	2.13	3.15	3.21	3.45
17	2.37	2.36	2.38	2.03	2.20	2.22	2.43	2.06	2.21	4.18	4.73	2.10
18	2.84	2.13	2.82	2.29	2.05	1.77	2.58	2.65	3.15	4.10	4.64	4.00
19	3.58	1.75	2.44	1.60	2.15	2.03	2.59		2.15	2.90	3.94	5.49
20	3.64	2.24	2.10	1.54	1.90	2.20	2.08	1.86	2.79	4.25	2.57	3.83
21	4.40	2.18	2.33	1.63	1.76	1.74	2.23		2.58	2.79	2.42	3.27
22	1.64	1.94	2.25	1.64	2.06	2.34	1.94	2.07	2.76	2.60	3.21	4.45
23	2.48	1.94	2.18	1.53	2.09	1.95	1.80	2.04	2.43	2.68	2.05	3.14
24	2.14	2.76	2.15	2.18		1.82	2.12	2.29	2.60	2.65	2.35	2.47
25	2.42	3.51	1.98	1.96	1.92	2.28	2.28	2.48	2.56	4.82	1.69	2.38
26	4.01	2.56	1.90	2.72	2.25	2.09	2.18	1.78	2.20	2.33	1.76	3.42
27	3.62	2.56	2.35	2.81	2.06	1.90	2.42	2.08	2.52	3.70	3.46	3.43
28	2.96	2.29	2.99	2.02	1.95	2.18	2.22	2.13	2.51	2.30	5.04	3.05
29	2.48		1.68	1.56	2.08	2.05		2.49	2.83	1.73	4.26	3.97
30	2.80		1.57	1.39	1.53	2.03		1.86	1.92	2.41	5.50	2.57
31	2.69		2.24		2.27			2.23		2.32		3.31
Monthly mean	2.86	2.30	2.32	1.96	1.96	2.00	2.19	2.23	2.38	2.75	3.36	3.26

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.55	2.62	1.81		2.69	2.35	2.16	2.34	1.98	2.59	2.95	2.21
2	2.88	2.31	2.84		2.36	2.69	2.08	2.62	1.86	3.50	1.94	2.51
3	4.74	1.82	2.66		1.98	2.44	2.08	2.16	1.90	4.20	2.61	1.81
4	3.62	2.14	2.11		2.13	2.28	2.04	2.04	2.09	4.13	2.23	1.85
5	2.11	1.61	2.11		2.71	2.41	2.03	1.89	2.24	3.48	1.74	2.57
6	2.20	1.67	2.31		2.26	3.05	2.38	1.71	2.24	2.00	1.94	2.72
7		1.29	1.89		1.94	2.53	2.39	2.39	3.19	2.18	1.73	2.65
8		1.48			2.44	2.71	2.03	1.72	3.27	2.15	1.80	2.82
9	2.44	2.08			2.19	2.77	2.21		2.91	2.41	3.56	3.84
10	3.01	1.93			2.25	2.78	2.81		2.49	2.65	2.96	2.50
11		1.75			2.48	2.45	2.46		2.56	2.40	3.00	3.05
12	2.37	1.36	1.93	1.98	1.98	2.86	2.23		2.99	2.45	2.20	3.31
13	3.41	1.94	2.32		2.30	2.44	2.54		3.73	2.53	1.72	3.10
14	2.77	3.10	2.30		2.16	2.12	2.62		3.55	2.38	2.01	2.89
15	2.07	3.24	2.12		2.59	2.70	2.28		2.41	2.71	1.87	1.85
16	1.78	2.41	1.64		1.93	2.75	2.66	2.81	2.13	2.61	2.23	1.51
17	2.52	2.43	1.71			2.26	3.19	3.12	2.34	3.65	2.94	2.11
18	1.74	2.08	1.68	2.01	2.71		3.23	2.83	3.14	2.33	2.82	3.48
19	2.91	2.82	1.89	1.63	2.67	2.01	2.30	2.26	2.80	2.09	1.90	2.72
20	2.86	2.48	2.72	1.87	1.79	1.80	2.01	2.18	3.06	2.34		4.09
21	2.75	1.98	2.57	2.39	1.47	2.09	2.40	2.32	2.19	2.78		4.71
22	3.45	2.13	1.97	2.38	1.82	2.43	2.51	2.61	1.95	2.56	3.34	2.14
23	3.63	2.59	2.54	1.89	1.72	2.62	2.59	2.55	2.32	3.07	1.95	1.36
24	6.16	1.90	1.92	2.03	1.89	2.43	2.28	3.03	2.91	3.43	2.24	1.55
25		1.72	1.78	1.99	1.64	2.15	2.35	3.60	2.34	2.44	2.82	1.72
26	3.51	1.70	1.93	2.32	2.07	1.83	1.93	3.58	3.45	2.43	4.48	1.52
27	2.27	2.14	1.89	2.12	2.45	2.55	2.81	2.39	2.52	3.11	3.55	2.03
28	1.53	2.10	2.32	1.87	2.59	2.56	2.18	2.30	2.21	2.08	2.26	2.55
29	1.47			2.00	2.92	2.13	2.20	2.45	2.18	2.26	2.28	1.45
30	1.68			2.49	2.02	2.18	2.12	3.59	2.24	3.40	2.43	1.82
31	2.01				2.20		2.99	2.61		3.14		2.08
Monthly mean	2.73	2.10	2.13		2.21	2.43	2.39	2.54	2.57	2.76	2.48	2.46

Table 6-12. TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.008		0.011		0.021	0.043	0.038	0.045	0.036		0.041	0.008
2	0.014		0.052		0.014	0.072		0.053	0.039		0.040	0.023
3	0.007		0.027		0.023	0.077		0.037	0.043		0.039	0.011
4	0.002			0.025	0.031	0.080		0.023	0.049	0.013	0.020	0.013
5	0.010			0.039	0.031			0.027	0.042	0.016	0.016	0.026
6	0.008		0.006	0.029	0.036	0.039	0.047	0.027	0.063	0.031	0.014	0.044
7	0.002		0.002		0.037	0.049	0.030	0.018	0.050	0.017	0.028	0.023
8	0.000		0.000		0.045		0.025	0.019	0.055	0.012	0.023	0.027
9	0.005		0.010		0.046			0.019	0.019	0.013	0.045	0.032
10	0.002		0.039		0.070	0.033		0.020	0.028	0.017	0.048	0.027
11	0.001		0.039	0.024	0.058	0.039	0.031	0.032	0.036	0.013	0.025	0.031
12	0.020		0.047	0.035	0.034	0.021	0.034	0.038	0.036	0.029	0.024	0.017
13	0.045			0.035	0.042	0.044	0.026	0.045	0.018	0.022		0.008
14	0.015			0.027			0.018	0.039	0.025	0.027	0.026	
15				0.038	0.028	0.040	0.024	0.029	0.029	0.018	0.013	
16				0.032	0.041	0.028		0.040	0.035	0.017	0.016	
17				0.018	0.020	0.028	0.042	0.032	0.052	0.032	0.031	
18		0.013		0.024	0.014	0.038	0.021	0.023		0.034	0.018	
19		0.023		0.031			0.032	0.020		0.043		
20				0.028	0.026	0.046	0.028	0.030	0.027	0.024		
21	0.034		0.044	0.039		0.035	0.052	0.032	0.020	0.032	0.030	
22	0.028	0.008	0.013	0.024		0.035	0.054	0.034	0.022	0.029	0.023	
23		0.006	0.007	0.033		0.043	0.036	0.037		0.037	0.002	
24	0.047	0.002	0.008		0.031	0.035		0.038		0.032		
25		0.000	0.019		0.035	0.060		0.040		0.022	0.017	
26			0.019	0.043			0.015	0.033		0.028	0.012	
27	0.011		0.024			0.044	0.022	0.027	0.023	0.028		
28	0.014	0.003	0.031	0.030		0.069	0.027	0.050	0.024	0.028	0.000	
29	0.022		0.035	0.027	0.044		0.042	0.032	0.019	0.025	0.003	
30			0.032		0.058	0.045	0.036	0.024		0.058	0.022	
31			0.029		0.051		0.035	0.032		0.048		
Monthly mean	0.014		0.024	0.031	0.037	0.044	0.033	0.032	0.035	0.027	0.023	

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.016	0.022	0.019	0.038	0.031		0.037	0.034	0.054	0.039	0.009	0.015
2		0.019	0.028	0.040	0.031		0.039		0.054		0.015	0.020
3		0.021	0.028	0.029	0.049	0.038		0.041	0.046	0.049		0.019
4		0.020	0.019	0.026	0.045	0.034		0.031	0.066	0.043		0.017
5		0.024	0.017		0.055				0.085	0.028	0.014	0.024
6		0.021	0.016	0.035	0.021				0.088	0.018		0.020
7		0.017	0.031	0.027	0.044				0.089	0.021		0.021
8		0.007	0.022	0.034			0.037		0.053	0.030		
9	0.013	0.013	0.026	0.054	0.045		0.036		0.035	0.015		
10	0.012	0.023	0.029	0.028	0.042		0.035		0.042	0.010		
11	0.009	0.019		0.034	0.054				0.034	0.012		
12	0.013	0.016	0.026	0.035	0.032		0.045		0.037	0.026		0.017
13	0.013		0.025	0.029	0.040	0.040			0.033	0.024		0.016
14			0.023	0.030	0.025	0.050	0.032		0.044	0.027		0.012
15			0.014	0.034	0.033	0.034	0.042			0.022		
16		0.022	0.022	0.042	0.043	0.044	0.066			0.027		
17		0.017	0.026	0.036	0.046	0.044	0.029		0.068	0.021	0.031	
18		0.016	0.020	0.025	0.048	0.044	0.045		0.018	0.023	0.023	
19		0.021	0.026	0.036		0.060	0.026		0.050		0.021	0.017
20		0.023	0.031	0.033	0.035	0.059			0.045		0.018	
21		0.021	0.022	0.031	0.043	0.032	0.055		0.036	0.020	0.026	
22	0.019	0.020		0.037	0.051	0.030	0.045	0.039	0.031		0.024	
23	0.019	0.025		0.028	0.066	0.025	0.027	0.036	0.045			
24	0.011	0.021	0.023	0.029	0.054	0.033	0.033	0.044	0.032		0.017	
25	0.020	0.014		0.033	0.074	0.025	0.041	0.020		0.014	0.023	
26	0.016	0.017		0.026	0.059		0.054	0.016		0.014	0.022	
27	0.018	0.023		0.037			0.031	0.023	0.024	0.013	0.018	0.011
28	0.020	0.028		0.078	0.069	0.033	0.032	0.036	0.016	0.001		0.016
29	0.018			0.041		0.050	0.042	0.040		0.013		0.017
30	0.022		0.032	0.042		0.055	0.051	0.039	0.044	0.013		0.016
31	0.021		0.038				0.045					
Monthly mean	0.016	0.020	0.024	0.036	0.045	0.042	0.040		0.047	0.022		

Table 6-12 (continued). TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.021	0.022							0.056	0.025	0.027	0.017
2	0.021		0.024						0.049		0.024	0.015
3		0.029	0.020			0.021					0.027	0.010
4	0.018	0.030				0.026						
5	0.021	0.035		0.049		0.020					0.040	
6	0.027	0.015				0.028					0.028	0.020
7		0.022		0.043		0.038			0.037		0.024	0.001
8	0.014	0.016		0.045								0.012
9	0.019	0.032		0.044						0.034		0.014
10	0.027	0.031		0.058						0.032		0.009
11	0.019	0.025	0.034	0.043				0.084				0.016
12	0.015	0.029		0.037					0.035	0.042		0.015
13	0.023	0.025		0.032						0.030		0.005
14	0.025	0.031	0.019	0.036				0.089		0.030		
15	0.040	0.029	0.023	0.054				0.055		0.031		0.003
16	0.028	0.018	0.029	0.046								0.013
17	0.021	0.017		0.031	0.050					0.037		0.014
18		0.025	0.018					0.042	0.025	0.045	0.041	0.009
19					0.019				0.031	0.029	0.020	0.011
20		0.022							0.033		0.017	0.009
21	0.011	0.028							0.050	0.043	0.014	0.008
22	0.016	0.032						0.056	0.034	0.030	0.020	0.022
23		0.033							0.021	0.036	0.016	0.022
24		0.020		0.044					0.023		0.021	0.030
25		0.028		0.032				0.050	0.025		0.028	0.032
26		0.029						0.041	0.024	0.030	0.025	
27	0.036	0.022						0.039	0.033	0.031	0.014	0.018
28	0.030	0.023						0.048	0.020	0.026		0.023
29					0.051				0.032	0.030		0.025
30	0.023				0.044				0.025		0.021	0.014
31	0.022				0.028			0.033				0.008
Monthly mean	0.023	0.026							0.032	0.033	0.024	0.015

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.029	0.035		0.017			0.056	0.035		0.031	0.039	0.019
2		0.028				0.046	0.049	0.040	0.012	0.046	0.024	
3		0.022	0.029					0.029	0.014	0.042	0.031	
4		0.025	0.030		0.030			0.030			0.027	0.026
5		0.020	0.026		0.029			0.036			0.022	0.021
6	0.020	0.017	0.031		0.010		0.043	0.037			0.022	0.019
7	0.014	0.013	0.017		0.019		0.061	0.045	0.013	0.027	0.018	0.017
8	0.032		0.019	0.029	0.016		0.036	0.031	0.036	0.023	0.028	0.029
9	0.016	0.021	0.032	0.036	0.016		0.030		0.019	0.024	0.034	0.036
10	0.018	0.043	0.030	0.027			0.050	0.016	0.007	0.014	0.040	0.014
11	0.005	0.035	0.036	0.028	0.004		0.030	0.021	0.016	0.025	0.046	0.014
12		0.027	0.048	0.016			0.034	0.026	0.014	0.031	0.028	0.015
13			0.019	0.025			0.031	0.020		0.030	0.017	0.018
14	0.030		0.020	0.038			0.028	0.030		0.034	0.009	0.017
15	0.019		0.014	0.044	0.014	0.030		0.054	0.020	0.037	0.015	0.008
16	0.012	0.023	0.025	0.043		0.046	0.063	0.036	0.011	0.025	0.009	0.010
17	0.016	0.017	0.015	0.025		0.026	0.058	0.031	0.020	0.021	0.016	0.016
18	0.015	0.020	0.012	0.016	0.039	0.022	0.077	0.038	0.021	0.014	0.019	0.020
19			0.002		0.029	0.002		0.031	0.034	0.023	0.020	0.018
20	0.017	0.026	0.011	0.027	0.032	0.022		0.012	0.042	0.021	0.016	0.033
21	0.022	0.031	0.014	0.031	0.025	0.028		0.019		0.025	0.009	0.037
22	0.041	0.012	0.019	0.026			0.073	0.017		0.029	0.027	
23	0.035			0.029	0.048	0.033	0.041	0.012	0.015	0.033	0.013	0.011
24	0.057			0.017	0.022	0.073	0.033	0.003	0.011	0.032	0.020	
25	0.034	0.014	0.026	0.033	0.037	0.042	0.028	0.001	0.019	0.022		
26	0.037	0.030	0.015	0.023	0.030	0.039		0.007	0.029	0.032		0.011
27	0.019		0.018	0.036	0.042	0.049	0.059	0.013	0.013	0.034	0.028	0.002
28	0.013		0.013	0.034		0.049	0.031	0.016	0.011	0.026	0.019	0.007
29	0.017		0.011	0.036		0.031		0.018	0.013	0.033	0.016	0.028
30	0.006		0.015	0.042		0.007	0.040	0.011	0.024	0.039	0.021	0.006
31	0.009		0.030				0.038	0.019		0.043		0.011
Monthly mean	0.022	0.024	0.021	0.030	0.026	0.036	0.046	0.025	0.019	0.029	0.022	0.017

Table 6-12 (continued). TOTAL OXIDANTS, DAILY AVERAGES, 1967

(ppm)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.037	0.027		0.044	0.022	0.061	0.033		0.041	0.019	
2		0.032	0.025	0.027	0.047		0.044	0.038	0.043	0.032	0.017	0.011
3		0.027	0.018		0.049		0.027	0.036	0.051	0.031	0.017	
4		0.041	0.012	0.053	0.046		0.044	0.034		0.031	0.013	
5			0.010	0.042			0.029	0.046	0.072	0.021	0.020	
6				0.041		0.028	0.049	0.047	0.062	0.009	0.021	0.036
7			0.017	0.045	0.057	0.022	0.039	0.081	0.047	0.018	0.028	0.028
8		0.012	0.016	0.036	0.046	0.021	0.056		0.038	0.015	0.024	0.040
9		0.025	0.031	0.041			0.035		0.054	0.017	0.041	0.024
10		0.031	0.040	0.038	0.046				0.034			0.021
11		0.028	0.040	0.053	0.039		0.061	0.025	0.040	0.035		0.024
12		0.019	0.026	0.096	0.028		0.037	0.046	0.038	0.039	0.021	0.027
13	0.019	0.036	0.016		0.023	0.042	0.022	0.081	0.032	0.043	0.020	
14	0.031	0.032			0.033	0.043	0.028	0.062	0.031	0.050	0.027	0.023
15		0.040	0.015	0.050	0.040		0.047	0.058	0.021		0.030	0.015
16		0.020	0.018	0.044	0.033	0.039	0.045	0.058	0.020		0.036	0.012
17		0.023	0.020		0.050	0.044	0.041	0.059	0.027	0.032	0.036	0.019
18		0.024	0.040	0.035	0.026	0.060	0.037	0.038	0.012	0.026	0.027	0.037
19		0.041	0.055	0.037		0.040	0.048	0.030	0.021	0.039	0.028	0.029
20		0.034		0.055	0.017	0.036	0.047		0.020	0.037	0.035	0.031
21		0.027	0.042	0.044	0.047	0.017	0.038		0.027	0.042	0.045	0.021
22		0.025	0.028	0.054	0.046	0.038	0.041	0.065	0.021	0.041	0.022	0.015
23		0.020	0.046	0.041	0.045	0.040	0.039	0.033		0.053	0.023	0.013
24	0.041	0.018	0.041	0.050	0.054	0.030	0.039			0.032	0.037	0.016
25	0.027	0.008	0.046	0.041	0.056	0.038	0.047	0.047	0.039	0.024	0.026	0.016
26	0.017	0.018	0.036	0.032	0.037	0.060	0.058	0.048	0.027	0.030	0.029	0.011
27	0.035	0.029	0.050	0.054	0.038	0.049	0.021	0.041	0.009	0.024	0.021	
28	0.029	0.023	0.069	0.056	0.021	0.042	0.019	0.073	0.013	0.017	0.006	
29				0.045			0.043	0.049	0.026	0.025	0.019	0.022
30	0.040		0.032	0.032		0.088	0.050	0.031	0.030	0.032	0.021	0.024
31	0.039				0.030		0.048			0.024		
Monthly mean		0.027	0.031	0.045	0.040	0.040	0.042	0.048	0.033	0.031	0.026	0.023

WASHINGTON

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.013	0.065		0.032	0.038	0.047	0.050	0.050	0.027	0.022	0.033	0.003
2	0.016	0.022		0.054	0.072	0.065	0.043	0.039	0.033	0.031	0.020	0.004
3	0.015	0.016		0.030	0.023	0.045	0.038	0.029	0.038	0.034	0.021	0.008
4	0.009	0.024		0.024	0.026	0.041	0.037	0.031	0.035	0.037	0.012	0.007
5	0.003			0.019	0.030	0.042	0.031	0.034	0.041	0.032	0.013	
6	0.004	0.012		0.017	0.014	0.034	0.037	0.050	0.045	0.014	0.007	0.007
7	0.007	0.010		0.014	0.022	0.033	0.050	0.045	0.051	0.015	0.005	0.009
8	0.008	0.008	0.024	0.028	0.022	0.034	0.024	0.030	0.054	0.019	0.006	0.015
9	0.005	0.020	0.034		0.021	0.036	0.023	0.035	0.030	0.019	0.025	0.009
10	0.009	0.018	0.029		0.024		0.031	0.029	0.018	0.012		0.006
11	0.005				0.020		0.031	0.032	0.025	0.015		0.003
12	0.000	0.008			0.022		0.038	0.028	0.043	0.018		
13	0.000	0.012	0.020		0.015		0.043	0.029	0.051	0.021	0.009	0.020
14	0.000	0.015			0.010	0.027	0.027	0.034	0.061	0.027	0.008	
15	0.000	0.018			0.027	0.037	0.031	0.052	0.038	0.023	0.018	0.001
16	0.001	0.016	0.017		0.037	0.044	0.043	0.059	0.019	0.023	0.015	0.005
17	0.008	0.010	0.009		0.032	0.031	0.078	0.056	0.022	0.018	0.019	0.005
18	0.002	0.012	0.010	0.011	0.036		0.056	0.048	0.033	0.014	0.027	0.008
19	0.012	0.014	0.009		0.030		0.035	0.035	0.043	0.013	0.025	0.022
20	0.024	0.009	0.010		0.027	0.050	0.028	0.016	0.049	0.020	0.019	0.027
21	0.022	0.012	0.014	0.017	0.021	0.057	0.036	0.018	0.031	0.019	0.015	0.010
22		0.017		0.030	0.016	0.027	0.051	0.016	0.019	0.032	0.038	0.010
23	0.048	0.008	0.017	0.028	0.057	0.037	0.055	0.015	0.023	0.041	0.016	0.002
24	0.041	0.004	0.022	0.014	0.033	0.074	0.044	0.012	0.025	0.024	0.014	0.005
25	0.023		0.025	0.014	0.040	0.042	0.032	0.015	0.019	0.017	0.039	0.008
26	0.037		0.041	0.014	0.041	0.041	0.059	0.018	0.024	0.019	0.109	0.006
27	0.021		0.020	0.021	0.050	0.054	0.080	0.015	0.016	0.020	0.071	0.001
28	0.020		0.013	0.019		0.048	0.032	0.024	0.012	0.016	0.004	0.003
29	0.020		0.019	0.030	0.034	0.033	0.028	0.033	0.015	0.026	0.001	0.006
30	0.012		0.035	0.039	0.035	0.046	0.046	0.031	0.017	0.028	0.001	0.001
31	0.025		0.029		0.026		0.029	0.027		0.038		0.004
Monthly mean	0.013	0.016	0.021	0.024	0.028	0.043	0.040	0.032	0.032	0.023	0.022	0.007

Table 6-13. ALDEHYDES, 24-HOUR BUBBLER[a]

	Year	No. of samples	Concentration, μg/m³ [b]													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA FAIRBANKS SITE 01	67	5	0	0	0	2	2	3	3	4	4	12	12			
ARKANSAS EL DORADO SITE 01	67	4	4	4	4	11	11	11	16	16	20	20	20			
COLORADO DENVER SITE 02	67	8	0	0	0	2	4	4	4	5	8	21	21			
DELAWARE WILMINGTON SITE 01	67	11	0	7	13	21	22	31	36	36	41	49	67			
DC WASHINGTON SITE 02	67	12	0	1	3	4	5	5	8	8	9	10	11			
ILLINOIS CHICAGO SITE 02	67	13	1	1	2	3	8	10	11	18	19	23	25			
INDIANA EAST CHICAGO SITE 01	67	14	1	3	8	13	16	18	20	24	30	32	40			
INDIANAPOLIS SITE 01	67	14	2	2	7	11	12	12	15	18	20	26	35			
IOWA DES MOINES SITE 01	67	13	0	1	2	2	4	4	5	6	6	7	16			
MARYLAND BALTIMORE SITE 01	67	11	0	0	2	4	5	5	5	6	7	8	9			
MASSACHUSETTS BOSTON SITE 01	67	10	2	2	12	15	16	18	26	34	61	78	92			
MICHIGAN DETROIT SITE 01	67	11	1	2	4	4	13	27	29	33	41	52	54			
MINNESOTA MINNEAPOLIS SITE 01	67	9	0	0	2	6	7	8	9	10	11	19	19			
MISSOURI KANSAS CITY SITE 01	67	12	6	7	7	8	8	9	11	13	13	17	18			
ST. LOUIS SITE 01	67	15	1	3	14	17	24	36	37	55	57	68	92			
SITE 02	67	14	1	2	4	5	7	7	9	10	14	16	18			
NEW JERSEY CAMDEN SITE 01	67	10	1	1	3	4	4	10	13	13	25	30	39			
NEWARK SITE 01	67	13	5	9	9	11	15	18	19	24	27	64	91			
NEW YORK NEW YORK CITY SITE 01	67	9	1	1	3	6	7	12	19	19	20	22	22			
OHIO CINCINNATI SITE 03	67	18	0	1	2	7	9	11	12	15	15	18	21			
CLEVELAND SITE 01	67	15	0	0	1	3	3	5	8	9	10	13	15			
OKLAHOMA OKLAHOMA CITY SITE 01	67	12	17	18	37	54	74	78	94	100	108	146	161			
TULSA SITE 01	67	11	1	4	9	10	18	22	43	77	105	120	151			
OREGON PORTLAND SITE 01	67	4	0	0	0	1	1	1	2	2	2	2	2			

Table 6-13 (continued). ALDEHYDES, 24-HOUR BUBBLER[a]

	Year	No. of samples	Concentration, μg/m3 [b]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
PENNSYLVANIA																
PHILADELPHIA																
SITE 02	67	10	0	0	0	1	2	7	7	11	13	20	27			
PITTSBURGH																
SITE 01	67	7	0	0	2	4	4	5	11	11	13	36	36			
TENNESSEE																
CHATTANOOGA																
SITE 01	67	11	0	0	2	2	4	5	5	8	8	10	11			
TEXAS																
EL PASO																
SITE 01	67	5	2	2	2	2	2	10	10	13	13	30	30			
PASADENA																
SITE 01	67	12	0	0	1	1	1	6	6	13	18	75	81			
UTAH																
SALT LAKE CITY																
SITE 01	67	10	0	0	0	2	3	4	9	9	14	14	19			
WASHINGTON																
SEATTLE																
SITE 01	67	11	0	0	0	1	2	2	3	4	7	9	50			
WEST VIRGINIA																
CHARLESTON																
SITE 01	67	15	1	7	13	14	16	24	26	64	72	77	85			

[a]The experimental network for evaluating aldehyde method was initiated during 1967, so the number of samples is too small to be representative of full year. Summaries are included as preliminary data to indicate general range of concentration to be expected.

[b]To convert from μg/m3 to ppm, multiply by 0.000843.

Table 6-14. NITROGEN DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA FAIRBANKS SITE 01	67	39	18	36	47	64	69	75	91	111	120	153	224	87	75	1.76
COLORADO DENVER SITE 02	67	23	56	69	82	108	121	134	140	163	177	188	205	132	124	1.46
CONNECTICUT HARTFORD SITE 01	67	24	50	109	127	143	159	168	179	200	254	270	624	205	178	1.69
NEW HAVEN SITE 01	67	26	46	72	86	128	156	164	178	188	215	318	478	177	152	1.80
DELAWARE NEWARK SITE 01	67	24	29	30	36	40	41	47	64	84	118	184	376	85	64	2.03
WILMINGTON SITE 01	67	23	49	108	117	120	140	152	153	232	265	315	352	180	163	1.60
DC WASHINGTON SITE 02	67	25	135	168	178	200	212	228	248	305	311	358	387	248	237	1.35
ILLINOIS CHICAGO SITE 02	67	26	163	172	189	221	241	260	292	334	341	351	460	271	260	1.34
INDIANA EAST CHICAGO SITE 01	67	24	58	75	91	107	125	128	177	183	203	229	388	153	139	1.57
EVANSVILLE SITE 01	67	26	23	35	40	46	52	67	76	106	117	171	218	82	69	1.82
INDIANAPOLIS SITE 01	67	24	36	48	57	66	84	98	112	117	123	142	186	96	88	1.54
IOWA DES MOINES SITE 01	67	26	30	51	56	64	85	90	104	116	138	155	168	96	87	1.57
DUBUQUE SITE 01	67	21	54	109	114	117	135	144	172	190	198	220	228	153	144	1.45
KENTUCKY COVINGTON SITE 01	67	26	34	56	119	149	151	155	168	178	192	217	561	165	145	1.73
MICHIGAN DETROIT SITE 01	67	26	46	91	145	153	177	182	200	206	239	288	345	188	175	1.53
MINNESOTA MINNEAPOLIS SITE 01	67	26	72	93	104	111	116	120	137	155	162	191	270	135	129	1.35
MISSOURI KANSAS CITY SITE 01	67	23	33	59	83	110	147	161	167	170	186	200	236	144	129	1.68
ST. LOUIS SITE 01	67	26	61	74	106	139	153	165	189	197	227	287	405	177	158	1.63
SITE 02	67	24	54	171	174	191	206	214	226	227	253	286	418	219	208	1.43
NEBRASKA OMAHA SITE 01	67	24	41	85	108	127	138	141	152	176	183	184	223	143	136	1.45
NEW JERSEY BURLINGTON COUNTY SITE 02	67	25	99	119	127	139	147	157	176	196	204	300	331	180	170	1.40
CAMDEN SITE 01	67	26	49	87	126	158	169	190	198	239	244	315	488	200	178	1.68
GLASSBORO SITE 01	67	26	70	95	97	113	118	122	132	152	161	205	243	133	128	1.34
JERSEY CITY SITE 01	67	24	34	134	153	184	197	219	236	269	372	429	473	246	217	1.76
NEWARK SITE 01	67	25	76	93	134	169	186	216	244	273	292	301	418	219	200	1.57

[a] *To convert from μg/m³ to ppm, multiply by 0.000532.*

Table 6-14 (continued). NITROGEN DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m3[a]													Std geo dev
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
OHIO																
CINCINNATI SITE 03	67	24	52	100	125	139	149	154	167	175	187	248	348	163	151	1.51
CLEVELAND SITE 01	67	26	29	85	89	110	125	128	131	162	176	197	260	135	125	1.54
DAYTON SITE 01	67	26	28	30	34	42	46	48	53	62	66	93	268	60	52	1.64
YOUNGSTOWN SITE 01	67	25	100	113	122	144	146	159	164	167	205	238	266	165	159	1.30
OKLAHOMA																
OKLAHOMA CITY SITE 01	67	24	34	74	81	110	115	138	161	176	180	201	259	139	127	1.61
TULSA SITE 01	67	25	27	31	45	50	52	59	64	79	86	121	248	72	63	1.66
PENNSYLVANIA																
PHILADELPHIA SITE 02	67	23	90	129	171	182	200	205	221	295	358	364	436	236	218	1.50
PITTSBURGH SITE 01	67	24	39	58	81	106	121	133	163	175	187	215	297	141	127	1.64
WARMINSTER SITE 01	67	25	60	81	87	99	108	129	156	165	174	222	278	140	130	1.51
WEST CHESTER SITE 01	67	24	36	50	52	66	80	85	91	105	113	143	271	93	84	1.58
PUERTO RICO																
GUAYANILLA SITE 01	67	23	29	35	36	43	48	54	58	68	71	72	82	55	52	1.37
RHODE ISLAND																
PROVIDENCE SITE 01	67	21	26	36	45	63	72	78	108	128	141	151	196	93	80	1.81
TENNESSEE																
CHATTANOOGA SITE 01	67	24	41	43	58	112	122	126	157	167	182	201	459	144	121	1.84
NASHVILLE SITE 01	67	24	64	100	111	132	148	153	172	180	210	224	253	158	151	1.40
TEXAS																
EL PASO SITE 01	67	26	28	43	47	64	70	72	77	91	104	132	151	80	74	1.54
UTAH																
SALT LAKE CITY SITE 01	67	25	10	32	35	51	59	61	71	108	165	200	225	91	69	2.19
WASHINGTON																
SEATTLE SITE 01	67	23	11	26	28	48	72	86	109	125	166	174	245	98	75	2.28
WEST VIRGINIA																
CHARLESTON SITE 01	67	26	46	59	80	91	120	133	147	186	211	233	274	143	128	1.65
WISCONSIN																
MILWAUKEE SITE 01	67	26	96	128	136	140	152	165	182	195	206	247	323	175	169	1.31
WYOMING																
CASPER SITE 01	67	23	6	29	45	52	58	59	65	78	85	99	145	66	57	1.89

[a]To convert from μg/m3 to ppm, multiply by 0.000532.

Table 6-15. SULFUR DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
ALASKA																
FAIRBANKS SITE 01	67	41	2	4	4	4	5	6	7	8	9	11	107	9	6	1.97
COLORADO																
DENVER SITE 02	67	23	4	6	7	9	13	18	22	33	46	68	83	26	18	2.51
CONNECTICUT																
HARTFORD SITE 01	67	24	13	18	23	38	44	63	80	111	135	188	254	85	61	2.38
NEW HAVEN SITE 01	67	24	4	9	20	51	58	89	166	188	243	299	453	136	75	3.86
DELAWARE																
NEWARK SITE 01	67	22	2	4	4	4	5	7	11	21	39	41	64	17	9	2.92
WILMINGTON SITE 01	67	23	9	22	29	33	47	58	71	93	118	141	336	77	56	2.28
DC																
WASHINGTON SITE 02	67	25	15	24	26	43	47	69	84	94	125	175	243	84	63	2.21
ILLINOIS																
CHICAGO SITE 02	67	24	11	42	83	93	143	161	205	237	401	590	658	232	155	2.76
INDIANA																
EAST CHICAGO SITE 01	67	24	20	25	30	47	77	77	116	146	191	232	418	117	83	2.39
EVANSVILLE SITE 01	67	25	4	13	22	26	32	39	47	51	65	115	129	47	36	2.24
INDIANAPOLIS SITE 01	67	23	9	9	18	21	27	31	43	75	90	119	167	53	36	2.47
IOWA																
DES MOINES SITE 01	67	26	4	4	4	7	9	11	13	16	22	34	69	15	11	2.24
DUBUQUE SITE 01	67	22	2	4	5	7	8	10	12	13	25	32	165	19	11	2.56
KENTUCKY																
COVINGTON SITE 01	67	26	2	7	13	18	20	21	29	38	41	62	75	28	21	2.39
MICHIGAN																
DETROIT SITE 01	67	25	4	9	12	19	22	35	41	52	74	78	150	42	30	2.50
MINNESOTA																
MINNEAPOLIS SITE 01	67	25	7	7	7	11	13	18	28	43	58	122	290	47	24	3.06
MISSOURI																
KANSAS CITY SITE 01	67	25	4	4	5	7	7	11	11	14	18	27	43	13	10	1.93
ST. LOUIS SITE 01	67	24	7	18	30	50	69	72	87	100	124	151	294	87	64	2.40
SITE 02	67	25	26	32	40	61	69	83	94	100	102	163	207	88	76	1.74
NEBRASKA																
OMAHA SITE 01	67	25	4	7	7	9	9	11	14	18	26	67	68	20	14	2.25
NEW JERSEY																
BURLINGTON COUNTY SITE 02	67	24	7	14	27	31	42	43	62	63	99	130	147	57	43	2.32
CAMDEN SITE 01	67	26	23	44	61	84	89	107	147	177	182	290	493	139	110	2.04
GLASSBORO SITE 01	67	25	4	6	8	14	14	17	23	33	38	41	69	24	18	2.18
JERSEY CITY SITE 01	67	24	41	57	71	104	132	146	170	175	221	261	323	152	134	1.74
NEWARK SITE 01	67	26	18	23	39	46	69	78	88	177	226	299	427	129	85	2.56

[a] To convert from μg/m³ to ppm, multiply by 0.000382.

Table 6-15 (continued). SULFUR DIOXIDE, 24-HOUR BUBBLER

	Year	No. of samples	Concentration, μg/m³ [a]													Std geo dev'
			Min	Frequency distribution - percentile									Max	Arith mean	Geo mean	
				10	20	30	40	50	60	70	80	90				
NEW YORK NEW YORK CITY SITE 01	67	21	78	108	130	190	215	290	356	419	533	815	972	364	280	2.12
OHIO CINCINNATI SITE 03	67	24	16	22	23	26	28	35	42	47	50	68	131	41	36	1.65
CLEVELAND SITE 01	67	25	13	26	29	36	41	49	64	83	86	107	120	60	51	1.87
DAYTON SITE 01	67	25	2	4	5	7	7	9	9	11	18	88	109	22	11	2.88
YOUNGSTOWN SITE 01	67	25	17	24	29	34	35	38	49	63	72	131	194	58	48	1.83
OKLAHOMA OKLAHOMA CITY SITE 01	67	25	4	4	5	7	7	9	11	12	16	22	35	11	9	1.86
TULSA SITE 01	67	25	2	4	4	6	7	7	7	10	11	13	49	9	7	1.93
PENNSYLVANIA PHILADELPHIA SITE 02	67	25	15	20	53	59	71	77	91	96	177	299	452	116	82	2.38
PITTSBURGH SITE 01	67	23	20	32	44	53	60	60	64	69	81	101	164	66	60	1.59
WARMINSTER SITE 01	67	25	8	13	15	21	26	29	44	47	49	125	128	44	33	2.17
WEST CHESTER SITE 01	67	23	7	11	14	14	18	21	27	33	40	82	171	34	24	2.21
PUERTO RICO GUAYANILLA SITE 01	67	25	2	4	4	4	4	7	7	7	9	16	28	8	6	1.83
RHODE ISLAND PROVIDENCE SITE 01	67	22	3	4	5	6	9	11	24	40	61	91	203	39	17	3.65
TENNESSEE CHATTANOOGA SITE 01	67	24	4	5	7	7	7	11	22	32	38	89	139	30	16	2.92
NASHVILLE SITE 01	67	24	4	4	6	9	11	15	21	26	33	66	76	23	15	2.51
TEXAS EL PASO SITE 01	67	26	3	4	6	7	9	10	14	22	30	121	167	31	14	3.16
PASADENA SITE 01	67	22	4	4	5	7	11	12	16	18	20	29	95	18	12	2.27
UTAH SALT LAKE CITY SITE 01	67	26	2	4	7	7	9	11	12	23	26	34	66	17	12	2.38
WASHINGTON SEATTLE SITE 01	67	23	2	5	7	7	9	11	12	19	42	57	83	21	13	2.64
WEST VIRGINIA CHARLESTON SITE 01	67	26	4	6	12	14	18	20	25	35	41	60	153	31	21	2.41
WISCONSIN MILWAUKEE SITE 01	67	24	16	22	24	33	36	37	39	45	55	75	99	43	38	1.59
WYOMING CASPER SITE 01	67	25	4	5	7	9	11	14	18	25	35	53	113	25	16	2.48

[a]To convert from μg/m³ to ppm, multiply by 0.000382.

TABLE 6-16. FREQUENCY DISTRIBUTIONS OF HOURLY SULFUR DIOXIDES IN NEW YORK CITY IN 1967 [a]
(ppm)

SITE	% VALID DATA	MIN	10	30	50	70	90	95	98	99	MAX	ARIT MEAN	GEO MEAN	GEO STD DEV
12	53.0	0.01	0.05	0.08	0.11	0.16	0.26	0.34	0.45	0.51	0.95	0.14	0.11	1.92
13	51.3	0.01	0.05	0.08	0.10	0.14	0.21	0.26	0.34	0.39	0.93	0.12	0.10	1.75
14	99.9	0.00	0.05	0.08	0.13	0.18	0.31	0.40	0.54	0.64	1.13	0.16	0.12	2.19
22	35.8	0.01	0.05	0.07	0.11	0.15	0.24	0.29	0.36	0.48	0.84	0.13	0.11	1.87
23	50.1	0.01	0.06	0.10	0.14	0.20	0.30	0.36	0.46	0.51	1.14	0.17	0.13	1.97
24	56.7	0.01	0.04	0.06	0.08	0.13	0.22	0.28	0.35	0.40	0.62	0.12	0.09	1.99
26	58.8	0.01	0.05	0.09	0.13	0.18	0.27	0.34	0.43	0.50	1.12	0.16	0.12	1.94
27	58.7	0.01	0.04	0.07	0.10	0.15	0.24	0.30	0.37	0.42	0.81	0.13	0.10	1.92
28	59.7	0.01	0.05	0.07	0.08	0.10	0.14	0.16	0.20	0.22	0.42	0.09	0.08	1.47

[a] All sites mentioned above operated Wilson sequential samplers with the exception of site 14, which operated a Davis electroconductivity analyzer. At all sites except site 14, the chemical hydrogen peroxide method of analysis was employed.

Table 6-17. LEAD CANDLE SULFATION RATE, NATIONAL AIR SURVEILLANCE NETWORKS, 1967

(mg SO_3/100 cm^2-day)

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Alaska													
Anchorage	0.06	0.09		0.07	0.07	0.15	0.11	0.08	0.00	0.19	0.36	0.00	0.11
Arizona													
Paradise Valley	0.17	0.15		0.06	0.05	0.19	0.14	0.12	0.00	0.06	0.06	0.00	0.09
Phoenix	0.22	0.10		0.09	0.11	0.16	0.12	0.00	0.00	0.31	0.22	0.00	0.12
Tucson	0.11	0.24	0.63	0.48	0.31	0.48	0.55	0.35	0.22	0.27	0.19	0.00	0.32
Arkansas													
Little Rock	0.10	0.08		0.12	0.12	0.53	0.50	0.36	0.05	0.05	0.00	0.08	0.18
Colorado													
Denver (CAMP)	0.29	0.22	0.20	0.14	0.16	0.15	0.15	0.19	0.14	0.20	0.18	0.12	0.18
Mesa Verde N P[a]	0.00	0.00		0.00	0.09	0.19	0.11	0.13	0.00	0.07	0.00	0.00	0.05
Delaware													
Kent County[a]	0.82	0.66	0.47	0.63	0.81	0.47	0.51	0.30	0.00	0.18	0.16	0.28	0.44
Washington, D.C. (CAMP)	1.79	1.43	1.47	1.28	0.70	0.77	0.55	0.45	0.39	0.82	0.31	0.28	0.85
Hawaii													
Honolulu	0.34	0.28		0.37	0.30	0.17	0.10	0.19	0.13	0.27	0.17	0.11	0.22
Idaho													
Boise	0.09	0.10	0.44	0.07	0.11	0.76	0.16	0.16	0.07		0.27	0.11	0.21
Illinois													
Chicago (CAMP)	5.93	5.48	4.91	2.94	2.00	1.88	1.33	1.02	1.44	1.98	0.91	2.00	2.65
Indiana													
Muncie					0.07	0.37	0.25	0.11	0.05	0.00	0.10	0.19	0.14
South Bend							0.19	0.15	0.10	0.17	0.13	0.26	0.17
Terre Haute				0.96	0.69	0.47	0.33		0.14	0.24	0.20	0.29	0.42
Iowa													
Dubuque	0.62	0.55	1.14	1.41	0.87	0.36		0.47	0.18	0.24	0.17	0.26	0.57
Kentucky													
Ashland	0.24	0.27	0.40	0.33	0.28	0.13	0.08	0.22	0.16	0.18	0.07	0.22	0.22
Louisville	1.78	1.43	1.17	1.04	1.04	1.17	1.49	0.52	0.17	0.30	0.23	0.27	0.88
Maryland													
Calvert County[a]	0.28	0.34	0.77	0.18	0.20	0.19	0.19	0.19	0.08	0.12	0.18	0.22	0.25
Michigan													
Grand Rapids	0.28	0.50		0.52	0.38	0.33	0.15	0.33	0.10	0.22	0.18	0.25	0.29
Minnesota													
St. Paul	0.72	1.21	1.03	0.82	0.48	0.80	0.45	0.60	0.07	0.21	0.12	0.28	0.57
Mississippi													
Jackson County[a]	0.05	0.05		0.05	0.11	0.20	0.16	0.09	0.00	0.13	0.00	0.05	0.08
Missouri													
St. Louis (CAMP)	1.76	1.49	2.04	1.75	1.39	0.61	1.26	1.64	1.14	1.32	0.90	0.28	1.30
Montana													
Helena	0.33	0.23	0.59	0.37	0.18	0.24	0.19	0.15	0.00	0.07	0.00	0.00	0.20
Nebraska													
Omaha	0.45	0.19	0.30	0.41	0.55	0.96	0.65	0.55	0.05	0.19	0.17	0.31	0.40
Nevada													
Las Vegas	0.07	0.07	0.57	0.07	0.05	0.20	0.14	0.12	0.00	0.05	0.00	0.00	0.11
White Pine County[a]	0.00	0.00		0.05	0.07	0.17	0.16	0.20	0.00	0.26	0.09	0.05	0.10
New Hampshire													
Concord	0.42	0.61	0.20	0.50	0.55	0.64	0.29	0.40	0.07	0.14	0.21	0.23	0.36
North Carolina													
Charlotte	0.13	0.55	0.63	0.39	0.79	1.03	0.74		0.00	0.16	0.11		0.45
Ohio													
Cincinnati (CAMP)	1.12	1.10	1.09	0.77	1.31	0.46	0.46	0.55	0.44	0.78	0.26	0.26	0.72

[a]Nonurban.

Table 6-17 (continued). LEAD CANDLE SULFATION RATE, NATIONAL AIR SURVEILLANCE NETWORKS, 1967 (mg SO_3/100 cm^2-day)

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.
Oregon													
Eugene		0.10		0.21	0.07	0.15	0.09	0.13	0.00	0.14	0.11	0.12	0.11
Medford	0.07	0.10		0.10	0.09	0.16	0.16	0.17	0.00	0.00	0.00	0.00	0.08
Pennsylvania													
Altoona				0.73	0.62	0.18	0.19	0.23	0.24	0.29	0.24	0.30	0.34
Bethlehem	0.47	0.58	0.78	0.75	0.58	0.39	0.34	0.35	0.19	0.23	0.20		0.44
Johnstown	0.44	0.62		0.91	0.68	0.22	0.26	0.30	0.00	0.25	0.06	0.06	0.35
Lancaster	0.77	0.85	0.92	0.80	1.11	1.10	0.79	0.56	0.11	0.24	0.15		0.67
Philadelphia (CAMP)	2.61	2.00	2.49	2.29	2.37	2.10	1.64	1.44	1.07	1.30	0.55	0.21	1.67
South Carolina													
Columbia	0.36	0.14	0.20	0.11	0.15	0.18	0.14	0.11	0.00	0.07	0.19	0.15	0.15
Tennessee													
Knoxville	0.55	0.62		0.58	0.45	0.17	0.36	0.12	0.12	0.17	0.28	0.28	0.34
Memphis	0.16	0.28	0.26	0.31	0.35	0.16	0.65	0.52	0.00	0.00	0.09	0.17	0.25
Texas													
Houston	0.25	0.17		0.17	0.11	0.25	0.14	0.12	0.06	0.25	0.12	0.12	0.16
Vermont													
Burlington	0.98	0.77	0.75	0.82	0.34	0.42			0.09	0.19	0.10	0.21	0.47
Orange County	0.46	0.35		0.93	0.40	0.25	0.17	0.16	0.00	0.28	0.17	0.25	0.31
Virginia													
Shenandoah Park[a]	0.06	0.15	0.46	0.10	0.05	0.18	0.14	0.11	0.11	0.24	0.19	0.12	0.16
Richmond	0.39	0.59	0.95	0.61	0.54	0.43	0.20	0.42	0.15	0.29	0.18	0.27	0.42
Roanoke	0.25	0.46		0.25		0.14	0.13	0.07	0.00	0.17	0.11	0.25	0.18
Wyoming													
Cheyenne	0.05	0.00		0.10	0.05	0.16	0.18	0.18	0.06	0.71	0.20	0.00	0.15
Yellowstone Park[a]	0.00	0.06		0.00	0.10	0.20	0.15	0.15	0.08	0.06	0.06	0.00	0.08

[a]Nonurban.

Table 6-18. SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

CHICAGO

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.74	1.13	1.85	1.24	1.07	0.64	0.64	0.90	0.82	1.68	1.21	1.78
2	2.62	2.06	2.96	0.90	1.08	1.10	0.48	1.12	0.51	0.93	1.18	1.10
3	2.31	2.04	2.18	0.92	1.32	0.96	0.62	1.07	0.44	0.93	1.40	1.13
4	3.11	1.80	0.84	1.45	0.78	1.03	0.41	0.60	0.55	0.89	1.14	1.48
5	2.03	1.18	1.55	2.42	0.79	1.07	0.49	0.89	0.56	0.59	0.85	1.92
6	1.73	1.13	2.09	1.74	0.70	0.97	0.62	0.68	1.28	0.59	1.60	2.23
7	1.98	1.60	1.98	1.03	0.67	0.98	0.70	0.58	0.94	0.84	2.07	1.22
8	1.54	2.29	1.80	1.87	1.20	0.53	1.07	0.55	1.69	0.64	1.59	1.31
9	1.85	2.00	1.66	0.83	1.60	0.77	0.58	0.81	0.47	1.11	1.64	0.77
10	2.05	1.26	2.13	0.94	1.48	0.48	0.90	0.59	0.23	1.27	1.60	0.62
11	2.70	1.26	1.95	0.76	1.37	0.39	1.35	0.53	0.28	1.41	1.04	1.45
12	2.68	2.52	0.78	0.83	0.78	0.66	0.73	0.83	1.04	2.13	0.85	1.54
13	3.10	2.46	1.84	1.27	0.90	0.44	0.77	0.91	0.81	1.57	1.31	1.27
14	1.70	2.09	1.42	0.70	0.83	0.67	0.75	0.99	1.18	2.06	1.24	1.45
15	1.45	1.53	1.73	0.88	1.53	0.56	0.49	0.84	0.95	1.35	1.59	1.57
16	2.12	2.70	2.01	1.15	1.61	0.61	0.67	0.84	0.90	0.89	1.15	1.88
17	2.02	1.98	1.86	0.66	1.40	0.26	0.83	0.55	0.56	0.98	1.70	1.60
18	3.17	2.30	1.86	0.90	0.99	0.12	0.92	0.59	0.84	0.99	1.16	1.46
19	2.41	1.85	1.72	0.68	0.77	0.14	0.67	0.73	1.09	1.38	1.17	1.72
20	2.01	1.79	2.47	1.27	0.70	0.27	0.65	0.55	0.88	0.85	1.22	2.26
21	2.06	1.74	1.64	1.33	0.68	0.14	1.35	0.61	0.79	1.17	1.92	1.32
22	1.60	1.81	1.98	0.89	0.72		0.66	0.50	0.52	1.47		1.32
23	1.99	2.15	1.52	0.68	1.30		0.48	0.50	1.06	1.09	0.94	1.29
24	1.72	2.08	1.04	1.51	1.23		0.75	0.53	0.83	0.86	1.49	1.60
25	1.54	2.29	1.99	1.70	1.19		0.84		1.19	1.02	1.39	1.55
26	0.91	1.77	1.45	1.61	0.94		1.24		0.71	1.36	1.18	2.01
27	1.52	2.47	1.11	1.30	0.53		0.82		0.81	1.38	1.18	2.39
28	2.12	1.77	1.17	1.59	0.41		0.58	1.00	0.75	1.59	1.48	1.71
29	1.29		1.04	1.20	0.70		1.13	0.84	1.35	1.37	1.96	2.15
30	0.82		1.21	0.84	0.46		0.76	0.58	1.32	1.61	1.23	1.37
31	2.30		1.00		0.61		0.81	0.55		1.03		1.23
Monthly mean	2.00	1.84	1.62	1.13	.93	.55	.71	.68	.79	1.13	1.31	1.49

CINCINNATI

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		3.06	1.61	0.82	0.94	0.51	1.10	1.01	0.57	0.73		1.00
2	2.29	1.41	1.65	0.55	1.13	0.76	0.41	0.73	0.71	1.35	1.05	1.36
3	3.39	1.40	1.75		1.46	0.63	0.50	0.73	1.09	1.57	0.84	1.06
4	1.75	1.60	1.74		1.22	0.67	0.58	0.46	1.23	1.32	0.50	2.18
5	1.64	1.84	2.42		1.84	1.20	1.35	0.42	1.25	1.10	0.53	2.05
6	2.11	1.35			0.91	1.07	0.58	0.94	1.39	0.68	0.88	1.90
7	1.41	1.95			0.72	0.81	0.67	0.87	2.00	0.76	1.26	0.94
8	1.15	3.18			0.85	0.86	0.55	0.81	1.79	0.72	2.52	1.52
9	2.14	2.59			0.80	0.97	0.66	0.62	0.91	0.81	1.35	0.81
10	1.90	2.01			1.60	0.90	0.65	0.43	0.46	0.80	1.33	1.00
11	1.83	1.11			0.79	1.05	0.55	0.69	0.49	1.22	0.87	1.00
12	2.57	1.44		0.73	0.89	1.19	0.76	0.59	0.73	2.52	0.49	0.86
13	2.78	2.44	2.13	1.01	1.07	1.36	0.68	0.93	0.90		1.10	1.21
14	1.44	1.98	2.30	0.76	1.09	1.72	0.51	1.39	1.05		0.75	0.86
15	1.02	1.48	1.33	0.63	1.10	1.29	0.91	1.37	1.69		0.81	0.87
16	2.18	1.18	0.73	1.43	1.13	1.07	0.88	1.23	1.88		1.29	1.18
17	1.18	1.60	0.72	0.59	0.75	1.54	1.81	1.24	1.29		1.21	1.44
18	1.72	2.47	0.83	0.68	0.86	0.76	1.19	0.75	1.62		0.63	1.09
19	2.59	2.38	0.86	0.80	0.73	0.99	1.41	0.42	1.06		0.62	1.93
20	2.48	2.03		0.84	0.59	1.47	1.08	0.49	1.14		0.85	1.87
21	2.10	1.84		0.82	0.54	0.88	1.03	0.98	0.53		1.50	0.81
22	1.75	2.33		0.37	1.38	0.75	0.58	1.23	0.76		1.41	0.49
23	1.61	2.19		0.53	0.58	1.42	0.34	0.54	0.76		0.75	0.84
24	1.55	1.78	0.99	0.96	1.56	1.29	0.58	0.71	0.59		1.62	1.16
25	1.51	1.49	1.69	0.87	1.06	0.51	0.48	0.62	1.80		0.97	0.76
26	1.97	2.15	1.92	1.10	0.89	0.99	1.03	0.47	1.43		0.84	0.75
27	1.14	2.32	1.82	1.25		1.64	0.74	0.30	0.63		0.64	0.92
28	1.00	1.14	1.48	1.84		0.98	0.61	0.58	0.87		0.96	1.18
29	1.63		0.79	1.79	0.74	0.56	0.60	0.96	1.02		1.54	1.49
30	1.34		1.32	1.03	0.34	1.16	0.89	0.81	0.88		1.00	1.42
31	2.58		1.22		0.56		0.62	0.39				1.20
Monthly mean	1.81	1.87	1.42	.88	.92	.98	.73	.71	1.03		1.00	1.15

Table 6-18 (continued). SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

DENVER

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			1.31	0.82	0.62				1.02	0.47	1.16	1.03
2			1.37	0.71	0.64				0.60	1.09	1.39	1.31
3			0.99	0.87	0.70				0.71	1.34	1.39	0.99
4			0.86	1.37	0.77				0.37	0.76	1.04	1.47
5			0.81	1.02	0.72				0.87	1.10	0.77	1.65
6			1.12	0.72	0.63				1.07	0.65	1.38	1.11
7			1.18	0.94	0.60				0.98	0.65	1.34	2.19
8			1.80	0.66	0.86				0.64	0.68	1.37	1.47
9			1.29	0.48	0.90				0.68	0.97	0.92	0.68
10			1.46	0.62	0.56				0.65	0.96	1.06	0.79
11		0.68		0.54	0.71				0.72	0.94		0.90
12		0.56		0.57	0.78				0.65	1.03	1.97	1.00
13		0.71	0.77	0.88	0.63				0.56	0.50		1.47
14		0.58	0.95	0.84	0.40				0.76			1.38
15		0.65	1.05	0.67					1.10		1.48	1.90
16		0.84	1.26	0.40					0.60		0.99	1.55
17		1.01	0.99	0.81							1.65	0.85
18		0.99	1.27	0.97					0.46	1.15	1.55	2.00
19		0.60	0.80	0.71					0.34	0.92	1.21	2.37
20		1.07	0.69	0.63					0.46	1.87		1.42
21		1.00	0.88	0.68					0.42	1.10		1.28
22		0.72	0.80	0.71					1.22	0.68		1.94
23		0.67	0.88	0.56					0.73	1.08		1.38
24		1.18	0.77	1.04					0.88	0.75		0.58
25		1.61	0.62	0.82					0.96	1.64		0.63
26		0.98	0.65	0.94					0.51	0.65		2.68
27		0.93	0.72	1.02					1.00	1.25		1.33
28		0.74	1.17	0.58				0.78	0.86	0.80	2.21	1.26
29			0.55	0.56				0.83	1.08	0.72	2.12	1.93
30			0.51	0.23				0.40	0.79	0.85	2.07	1.53
31			1.03					0.73		0.95		1.76
Monthly mean		.81	.93	.70					.70	.90	1.36	1.36

PHILADELPHIA

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		0.80		0.77	0.55	0.39	0.46	0.66	0.31	0.65		0.99
2		1.46		0.90	0.31	0.63	0.34	0.78	0.36	1.19		0.94
3		0.85	1.65	0.79	0.28	0.38	0.40	0.43	0.36	1.55		0.70
4		1.67	1.00	0.46	0.30	0.60	0.55		0.43	1.22		0.98
5		1.16	1.01	0.95	0.71	0.86	0.43	0.42	0.73	1.02		1.37
6		1.49	1.32	1.16	0.60	0.54	0.79		0.91	0.58		1.34
7		1.42	0.95		0.42	0.55	0.59		0.94	0.57		0.84
8		1.46	1.30		0.73	0.36	0.55		1.09	0.50		0.95
9		2.60	1.50		0.58	0.45	0.38		0.54			1.51
10		2.30	1.69		0.41	0.62		0.65	0.49	0.84		0.31
11		1.78	1.47		0.68	0.43		0.55	0.66	0.78		0.51
12		0.80	0.72		0.38	0.64		0.41	1.28	0.74		1.84
13		2.18	0.87		0.56	0.66		0.56	1.48	0.99		1.53
14		2.58	0.83		0.51	0.32		0.83	1.01	0.78	1.59	1.26
15		2.45	0.52	0.78	0.50	0.48		1.30	0.47	0.80	1.13	0.88
16		1.14	0.40	0.57	0.47	0.51		1.33	0.27	0.69	0.78	1.52
17	0.50	1.68	0.53	0.77	0.86	0.31		1.18	0.55	1.15	1.33	2.33
18	0.26	1.60	0.36	0.46	0.57			0.79	1.01	0.45	1.15	1.58
19	0.69		0.59	0.22	0.56	0.27			1.01	0.62	0.72	1.17
20	0.72		1.15		0.36	0.35			1.00	0.77	1.15	1.24
21	0.77		0.90		0.17	0.50	0.61		0.43	0.86	0.97	1.65
22	0.57		0.61		0.40	0.72	0.57	0.61	0.44	0.80	1.46	0.56
23	1.08		1.10		0.47	0.77	0.51	0.70	0.48	1.19	0.46	0.32
24	1.24		0.61		0.29	0.79	0.39	0.63	0.63	1.18	0.66	0.79
25	1.00		0.43		0.22	0.44	0.37	0.77	0.56	0.61	0.69	0.94
26	1.03		0.57		0.43	0.45	0.27	0.85	0.82	0.82	1.01	0.93
27	0.40		0.51	0.44	0.33	0.78	0.63	0.42	0.42	1.06	1.02	0.97
28	0.24		0.70	0.30	0.39	0.76	0.86	0.48	0.38	0.58	0.72	1.01
29	0.27		0.79	0.37	0.49	0.49	0.63	0.55	0.43	0.55	1.08	0.98
30	0.41		0.81	0.51	0.23	0.57		0.75	0.49		1.13	1.18
31	0.54		0.79		0.32			0.38				1.94
Monthly mean		1.58	.85		.40	.48	.46	.65	.62	.78	.95	1.08

Table 6-18 (continued). SOILING INDEX, DAILY AVERAGES, 1967

(Cohs/1000 lineal feet)

ST. LOUIS

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			1.05	0.59	0.64	0.93	0.46	0.30	0.84	0.75	0.96	0.95
2			0.93	0.54	0.59	1.03	0.24	0.25	0.86	0.99	0.96	0.88
3			1.47	0.64	0.89	1.11	0.31	0.16	0.67	0.85	0.76	0.75
4			0.78	0.93	1.01	0.67	0.25	0.27	1.10	0.98	0.74	1.26
5			0.63	1.00	0.96	0.82	0.48	0.27	1.20	0.68	0.51	1.48
6			0.82	0.52	0.60	0.64	0.73	0.22	0.95	0.82	1.18	1.32
7			1.18	0.62	0.53	0.68	0.69	0.30	0.99	0.65	1.69	0.85
8			1.09	0.81	0.59	0.82	0.42	0.72	1.00	0.35	1.29	1.58
9			1.04	0.56	0.75	0.81	0.37	0.39	0.70		1.76	1.38
10			1.24	0.66	0.83	0.55	0.38	0.68	0.49		1.14	0.72
11			0.76	1.09	0.52	0.53	0.49	0.63	0.71		0.87	0.86
12			0.81	1.21	0.79	0.69	0.53	0.67	1.30		0.50	0.99
13			1.34	0.83	0.82	0.83	0.38	0.91	0.89		0.83	0.88
14			1.16	0.66	0.61	1.22	0.33	0.96	0.90		0.86	0.83
15			0.64	0.45	0.46	1.12	0.50	0.97	1.07		1.45	0.84
16		0.80	0.98	0.54	0.90	0.96	0.33	1.01	0.74		1.18	1.05
17		1.47	0.65	0.48	1.00	0.57	0.40	1.07	0.92	0.84	0.77	0.71
18		1.15	0.94	0.57	0.94	0.40	0.46	0.85	0.73	0.49	0.60	1.38
19		0.73	0.62	0.76	0.68	0.70	0.59	0.41	1.03	1.10	1.28	1.90
20		0.77	1.04	0.94	0.65	0.75	0.35	0.59	0.99	1.19	1.46	1.48
21		0.89	0.77	0.84	0.64	0.48	0.45		0.55	1.23	2.17	0.80
22		0.70	1.14	0.40	1.43	0.45	0.29		0.72		1.08	0.65
23		0.86	1.18	0.41	1.02	0.69	0.24		0.84	0.93	0.51	0.70
24		0.71	1.01	0.73	0.90	0.49	0.29		0.50	0.72	1.37	1.01
25		1.07	1.42	0.89	0.89	0.41	0.27		0.88	0.89	1.05	
26		0.58	0.54	0.73	0.77	0.95	0.34		0.90	1.39	1.10	1.53
27		1.17	0.71	1.01	0.54	0.72	0.39		0.49	0.64	0.90	0.97
28		0.81	1.15	1.31	0.50	0.54	0.29	0.90	0.52	0.89	1.43	1.26
29			1.21	0.55	0.65	1.02	0.33	1.02	0.96	0.57	1.63	2.08
30			0.91	0.41	0.48	0.82	0.20	0.84	0.64	1.21	1.10	1.22
31			0.71		1.09		0.20	0.63		1.20		1.11
Monthly mean			.92	.68	.71	.70	.33	.58	.79	.82	1.05	1.06

WASHINGTON, D. C.

DATE	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.15	2.94	0.68	0.73		1.00	0.44				1.54	1.77
2	1.10	1.19	1.10	0.86	0.99	0.86	0.31				1.37	2.66
3	1.33	0.99	1.14	0.63	0.64	0.68	0.21				1.34	1.58
4	1.25	1.16	1.13	0.47	0.72	0.39	0.26				1.01	1.76
5	1.03	0.78	1.68	0.98	0.68	0.70					0.77	3.62
6	1.17		1.43	1.09	0.64	0.48	0.61				1.16	2.93
7	1.08		0.80	0.67	0.39	0.43	0.32				1.12	2.51
8	0.89		1.14	0.45	0.91	0.56	0.25				1.41	3.13
9	1.18		1.15	0.56	0.63	0.43	0.31				2.18	2.36
10	1.46		1.15	0.63	0.73	0.45	0.56				2.94	0.96
11	0.73		0.94	0.37	1.14	0.28	0.35				1.69	1.08
12	1.06		0.72	0.47	0.46	0.76	0.23				0.97	1.78
13	1.48	1.07	0.65	0.66	0.73	0.32	0.21					4.08
14	1.15	1.27	0.79	0.87	0.69	0.30	0.29					2.77
15	0.87	0.82	0.58	0.55	0.74	0.34	0.23				0.98	1.47
16	0.90	0.63	0.61	0.72	0.68	0.31					1.18	1.14
17	0.90	1.37	0.80	0.68	1.16	0.35					1.73	2.44
18	0.98	1.05	0.56	0.47	0.84	0.25					1.32	2.37
19	1.17	0.90	0.49	0.46	0.81						0.80	2.17
20		1.04	0.87	0.83	0.60					1.18	1.06	2.51
21		0.91	0.95	1.20	0.39					0.98	1.60	2.08
22		0.82	0.89	0.46	0.74					1.28	2.05	1.40
23	1.32	0.90	0.84	0.29	0.73					1.99	0.97	1.68
24	1.36	0.93	0.75	0.67	0.83					1.75	1.40	1.09
25	1.15	0.70	0.66	0.73	0.56					0.82	1.34	1.68
26	1.31	0.60	0.84	1.22	0.60					1.25	2.47	1.28
27	0.82	1.08	0.50	0.62	0.55					1.44	1.83	1.61
28	0.45	0.80	0.66	0.70	0.60	0.35				0.85	1.23	1.80
29	0.59		0.57		0.68	0.32				1.49	1.78	1.25
30	0.76		0.61		0.43	0.32				2.20	2.02	1.66
31	1.71		0.68		0.69					2.56		1.54
Monthly mean	1.03	1.00	.80	.62	.65	.42					1.42	1.95

APPENDIX.

Air Quality Data Sampling Sites

APPENDIX.

AIR QUALITY DATA SAMPLING SITES

This appendix contains a listing of air quality data sampling station sites used to gather samples for the National Air Quality Data Bank. Each site in the list is described in terms of its state, county, city, number, street address, supporting agency, type, population class or topographic category, and height of sampler above ground level. The list is included to assist the reader in his understanding and knowledge of the entire sampling network.

The format used to describe sites, along with an explanation of its parts, is followed by the alphabetical listing of sites by state.

State				
City	Station address	Type[a]	County	
Site number	Supporting agency		Population class[b]	Height[c]

[a]The type of site is identified by one or more of the following symbols:

- C - Commercial
- I Industrial
- R Residential
- N Nonurban
- S - Suburban
- * Not defined

[b]Population class (urban stations) or topographic category (nonurban):

		Urban	Nonurban
Population class	1	3,000,000 or more	
	2	1 to 3,000,000	Atlantic Coast
	3	700,000 to 1,000,000	Desert
	4	400,000 to 700,000	Farmland
	5	100,000 to 400,000	Forest
	6	50,000 to 100,000	Great Lakes Coast
	7	25,000 to 50,000	Gulf Coast
	8	10,000 to 25,000	Mountain
	9	Less than 10,000	Pacific Coast

[c]Height of the sampler above ground level, in feet.
(*-- indicates information not available)

Figure A-1. Site description format used by national air quality data bank.

ALABAMA
BIRMINGHAM
SITE 01 UNIV MED AND DENTAL BLDG, 619 SO 19TH ST TYPE- RC COUNTY-JEFFERSON
JEFFERSON COUNTY HEALTH DEPARTMENT POP CL-5 40

GADSDEN
SITE 01 109 SOUTH 8TH STREET TYPE- IRC COUNTY-ETOWAH
ETOWAH COUNTY HEALTH DEPARTMENT POP CL-6 25

HUNTSVILLE
SITE 01 ROOF OF HEALTH BLDG., 304 EUSTIS AVENUE TYPE- RC COUNTY-MADISON
DEPARTMENT OF PUBLIC HEALTH POP CL-6 32

MOBILE
SITE 01 CENTRAL FIRE STA, 701 ST FRANCIS ST TYPE- RC COUNTY-MOBILE
MOBILE COUNTY BOARD OF HEALTH POP CL-5 45

MONTGOMERY
SITE 01 COUNTY HLTH CENTER, 515 W JEFF DAVIS AVE TYPE- RC COUNTY-MONTGOMERY
MONTGOMERY COUNTY HEALTH DEPARTMENT POP CL-5 40

ALASKA
ANCHORAGE
SITE 02 GR ANCHORAGE AREA HLTH DEPT 217 E ST TYPE- C
GREATER ANCHORAGE AREA BOROUGH HEALTH DEPARTMENT POP CL-7 19

SITE 03 527 E 4TH TYPE-(*)
AGENCY NOT IDENTIFIED POP CL-7 (*)

FAIRBANKS
SITE 01 FAIRBANKS POST OFFICE 3RD AND CUSHMAN TYPE- IRC
ARCTIC HEALTH RESEARCH LABORATORY POP CL-8 3

ARIZONA
GRAND CANYON NAT PK
SITE 01 VISITOR CENTER GRAND CANYON VILLAGE REG TYPE- N GRAND CANYON PARK
NATIONAL PARK SERVICE DESERT 4

MARICOPA COUNTY
SITE 01 8102 N MUMMY MTN ROAD, SCOTTSDALE, ARIZ TYPE- R COUNTY-MARICOPA
MUMMY MTN ASTRONOMICAL OBSER + USWB PARADISE VALLEY STATION POP CL-9 3

PHOENIX
SITE 02 CO HLTH DEPT BLDG 1825 E ROOSEVELT ST TYPE- R COUNTY-MARICOPA
MARICOPA COUNTY HEALTH DEPARTMENT POP CL-4 15

TUCSON
SITE 01 UNIVERSITY OF ARIZONA MTN AVE + 2ND ST TYPE- RC COUNTY-PIMA
DEPARTMENT OF CIVIL ENGINEERING, UNIVERSITY OF ARIZONA POP CL-5 1

ARKANSAS
EL DORADO
SITE 01 POST OFFICE BLDG MAIN + JACKSON TYPE- C COUNTY-UNION
ARKANSAS POLLUTION CONTROL COMMISSION POP CL-7 80

LITTLE ROCK
SITE 01 POLICE AND COURTS BLDG-700 W MARKHAM TYPE- C COUNTY-PULASKI
ARKANSAS POLLUTION CONTROL COMMISSION POP CL-5 40

MONTGOMERY COUNTY
SITE 01 FOREST RANGER STA, OUACHITA NATL FOREST TYPE- N OUACHITA NATL FOREST
UNITED STATES FORESTRY SERVICE FOREST 3

WEST MEMPHIS
SITE 01 FIRE STATION NO 1 SEVENTH + THOMPSON TYPE- RC COUNTY-CRITTENDEN
ARKANSAS POLLUTION CONTROL COMMISSION POP CL-8 30

CALIFORNIA
BAKERSFIELD
SITE 01 1120 GOLDEN STATE AVENUE TYPE- C COUNTY-KERN
CALIFORNIA AIR RESOURCES BOARD KERN COUNTY AIR POLL. CONTRL DEPT POP CL-6 0

BERKELEY
SITE 01 HEARST AND WALNUT STS TYPE- RC COUNTY-ALAMEDA
STATE DEPARTMENT OF PUBLIC HEALTH POP CL-5 90

BURBANK
SITE 01 1508 BURBANK BOULEVARD TYPE- RC COUNTY-LOS ANGELES
LOS ANGELES AIR POLLUTION CONTROL DISTRICT POP CL-6 7

GLENDALE
SITE 01 ELEC. POWER SUBSTA., 145 N. HOWARD ST. TYPE- IRC COUNTY-LOS ANGELES
GLENDALE DEPT. OF PUBLIC SERVICE POP CL-5 5

HUMBOLDT COUNTY
SITE 01 TRINIDAD LIGHT STATION TYPE- N TRINIDAD LIGHT STATION
UNITED STATES COAST GUARD WEST CST 5

LONG BEACH
SITE 01 CIYT HLTH DEPT BLDG, 2655 PINE AVENUE TYPE- RC COUNTY-LOS ANGELES
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-5 25

LOS ANGELES
SITE 01 LACAPCD HQ BLDG 434 S SAN PEDRO ST TYPE- IC COUNTY-LOS ANGELES
L A COUNTY AIR POLLUTION CONTROL DISTRICT POP CL-2 80

MONTEREY
SITE 01 PROFESSIONAL BLDG 451 MADISON STREET TYPE- R COUNTY-MONTEREY
MONTEREY - SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DISTRICT POP CL-8 65

OAKLAND
SITE 01 COUNTY HEADQUARTERS BLDG, 499 FIFTH ST TYPE- IC COUNTY-ALAMEDA
ALAMEDA COUNTY HEALTH DEPARTMENT POP CL-5 62

PASADENA
SITE 01 862 EAST VILLA STREET TYPE- RC COUNTY-LOS ANGELES
L A COUNTY AIR POLLUTION CONTROL DISTRICT POP CL-5 5

REDDING
SITE 01 COUNTY HEALTH DEPT BLDG 2650 HOSPITAL LE TYPE- S COUNTY-SHASTA
SHASTA COUNTY HEALTH DEPARTMENT POP CL-8 4

SALINAS
SITE 01 COUNTY ROAD DEPT COMPLEX 312 E ALISAL ST TYPE- I COUNTY-MONTEREY
MONTEREY-SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DEPARTMENT POP CL-7 3

SAN DIEGO
SITE 01 CITY PUBLIC LIBRARY, 820 E STREET TYPE- C COUNTY-SAN DIEGO
COUNTY DEPARTMENT OF PUBLIC HEALTH POP CL-4 42

SAN FRANCISCO
SITE 01 HEALTH DEPT BUILDING 101 GROVE STREET TYPE- C COUNTY-SAN FRANCISCO
SAN FRANCISCO HEALTH DEPARTMENT POP CL-3 32

SAN JOSE
SITE 01 COUNTY HEALTH CENTER, 2220 MOORPARK AVE TYPE- RC COUNTY-SANTA CLARA
SANTA CLARA COUNTY HEALTH DEPARTMENT POP CL-5 14

SANTA CRUZ
SITE 01 SANTA CRUZ HOSPITAL BLDG 1080 EMPLINE AVE TYPE- R COUNTY-SANTA CRUZ
MONTEREY - SANTA CRUZ UNIFIED AIR POLLUTION CONTROL DISTRICT POP CL-7 4

COLORADO
ADAMS COUNTY
SITE 01 EAST 72ND AVENUE TYPE- I COUNTY-ADAMS
TRI-COUNTY HEALTH DEPARTMENT POP CL-9 15

ARVADA
SITE 01 7622 GRANDVIEW AV. TYPE- C COUNTY-JEFFERSON
JEFFERSON COUNTY HEALTH DEPARTMENT POP CL-8 15

AURORA
SITE 01 1633 FLORENCE STREET TYPE- R COUNTY-ADAMS
TRI-COUNTY HEALTH DEPARTMENT POP CL-7 20

BOULDER
SITE 01 BOULDER COURTHOUSE 13TH + SPRUCE STREETS TYPE- C COUNTY-BOULDER
COLORADO STATE HEALTH DEPARTMENT POP CL-7 30

SITE 02 BOULDER HEALTH DEPT BLDG 3450 BROADWAY TYPE- R COUNTY-BOULDER
BOULDER HEALTH DEPARTMENT POP CL-7 25

BROOMFIELD
SITE 01 NO 8 GARDEN OFFICE CENTER TYPE- C COUNTY-BOULDER
BOULDER HEALTH DEPARTMENT POP CL-9 20

COLORADO SPRINGS
SITE 03 WEICKER TRANSFER 205 W RIO GRANDE STREET TYPE- I COUNTY-EL PASO
COLORADO STATE HEALTH DEPARTMENT POP CL-6 20

DENVER
SITE 01 SCHOOL ADMINISTRATION BLDG 414 14TH ST TYPE- C COUNTY-DENVER
COLORADO STATE HEALTH DEPARTMENT POP CL-4 50

DENVER
SITE 02 2105 BROADWAY TYPE- C COUNTY-DENVER
CITY OF DENVER BUILDING DEPARTMENT POP CL-4 9

SITE 03	GATES MFG + DENT BLDG 1000 S BROADWAY CITY OF DENVER BUILDING DEPARTMENT	TYPE-	I COUNTY-DENVER POP CL-4	25
SITE 04	SEWER PLANT EAST 51ST + FRANKLIN STS CITY OF DENVER BUILDING DEPARTMENT	TYPE-	I COUNTY-DENVER POP CL-4	10
SITE 05	NORTH HI SCHOOL 2960 NO SPEER BLVD CITY OF DENVER BUILDING DEPARTMENT	TYPE-	R COUNTY-DENVER POP CL-4	35
SITE 06	HULL PHOTO CO 5105 E 38TH AVENUE CITY OF DENVER BUILDING DEPARTMENT	TYPE-	C COUNTY-DENVER POP CL-4	25
SITE 07	COLO STATE HEALTH DEPT 4210 E 11TH AVENUE COLORADO STATE HEALTH DEPARTMENT	TYPE-	R COUNTY-DENVER POP CL-4	45
DURANGO				
SITE 03	CENTRAL FIRE STATION 10TH ST + 2ND AVENUE COLORADO STATE HEALTH DEPARTMENT	TYPE-	C COUNTY-LA PLATA POP CL-8	10
ENGLEWOOD				
SITE 01	4857 SOUTH BROADWAY COLORADO STATE HEALTH DEPARTMENT	TYPE-	C COUNTY-ARAPAHOE POP CL-7	20
FORT COLLINS				
SITE 01	CENTRAL FIRE HEADQUARTERS 238WALNUT ST LARIMER COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-LARIMER POP CL-7	30
GLENWOOD SPRINGS				
SITE 01	GARFIELD CO COURTHOUSE 8TH + COLORADO AVE COLORADO STATE HEALTH DEPARTMENT	TYPE-	C COUNTY-GARFIELD POP CL-9	45
GOLDEN				
SITE 01	911 TENTH AVENUE JEFFERSON COUNTY HEALTH DEPARTMENT	TYPE-	I COUNTY-JEFFERSON POP CL-9	20
GRAND JUNCTION				
SITE 03	MESA CO HLTH DEPT BLDG 515 PATTERSON AVE COLORADO STATE HEALTH DEPARTMENT	TYPE-	S COUNTY-MESA POP CL-8	4
GREELEY				
SITE 01	CITY HALL 7TH STREET + 9TH AVENUE WELD COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-WELD POP CL-7	45
SITE 02	FIRE STATION 2, 2300 + RESERVOIR ROAD WELD COUNTY HEALTH DEPARTMENT	TYPE-	R COUNTY-WELD POP CL-7	4
LAKEWOOD				
SITE 01	260 SOUTH KIPLING STREET COLORADO STATE HEALTH DEPARTMENT	TYPE-	S COUNTY-JEFFERSON POP CL-8	15
LONGMONT				
SITE 01	CITY HALL 4TH + KIMBARK STREETS BOULDER COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-BOULDER POP CL-8	30
MANITOU SPRINGS				
SITE 01	MANITOU AVENUE + CENTRAL STREET EL PASO COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-EL PASO POP CL-9	30
MESA VERDE NATIONAL PK				
SITE 01	MESA VERDE NATIONAL PARK NATIONAL PARK SERVICE	TYPE-	N MESA VERDE NATIONAL PARK MOUNTAIN	21
MONTROSE				
SITE 01	38 SOUTH UNCOMPAGHRE STREET COLORADO STATE HEALTH DEPARTMENT	TYPE-	C COUNTY-MONTROSE POP CL-9	25
PUEBLO				
SITE 01	PUEBLO HLTH DEPT BLDG 151 CENTRAL MAIN COLORADO STATE HEALTH DEPARTMENT	TYPE-	C COUNTY-PUEBLO POP CL-6	15
SITE 02	SUNSET PARK FIRE STA PRAIRIE + SUMMITT PUEBLO HEALTH DEPARTMENT	TYPE-	C COUNTY-PUEBLO POP CL-6	5
SITE 03	MESA + EVANS FIRE STA EVANS + MESA ST COLORADO STATE HEALTH DEPARTMENT	TYPE-	I COUNTY-PUEBLO POP CL-6	20
SITE 04	FIRE STA BONFORT BLVD + LIBERTY LANE PUEBLO HEALTH DEPARTMENT	TYPE-	R COUNTY-PUEBLO POP CL-6	5
SITE 05	FIRE STATION #5 24TH + 6TH STS. PUEBLO HEALTH DEPARTMENT	TYPE-	R COUNTY-PUEBLO POP CL-6	5

SITE 06	FIRE STATION #2 7TH ST + SANTA FE AVENUE PUEBLO HEALTH DEPARTMENT	TYPE-	I COUNTY-PUEBLO POP CL-6	20
STERLING				
SITE 01	SOUTH 3RD + ASH STREETS NORTHEAST COLORADO HEALTH DEPARTMENT	TYPE-	C COUNTY-LOGAN POP CL-8	25
TRINIDAD				
SITE 01	COMMERCIAL FIRE STA COMMERCIAL + MAIN ST LAS ANIMAS-HUERFANO DISTRICT HEALTH DEPT	TYPE-	C COUNTY-LAS ANIMAS POP CL-8	40
CONNECTICUT				
BRIDGEPORT				
SITE 01	FIRE BUILDING, 274 MIDDLE STREET CONNECTICUT STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-FAIRFIELD POP CL-5	55
HARTFORD				
SITE 01	10CLINTON ST (ROOF OF LAB DIV BLDG) CONNECTICUT STATE DEPT OF HEALTH LABORATORY DIVISION	TYPE-	C COUNTY-HARTFORD POP CL-5	60
NEW BRITAIN				
SITE 02	MIDDLE ATLANTIC TRANSP CO 976 WEST MAIN CONNECTICUT STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-HARTFORD POP CL-6	25
NEW HAVEN				
SITE 01	BULLARD BUILDING CITY DEPARTMENT OF PUBLIC HEALTH	TYPE-	IC COUNTY-NEW HAVEN POP CL-5	58
STAMFORD				
SITE 01	CENTRAL FIRE STATION, 653 MAIN STREET CONNECTICUT STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-FAIRFIELD POP CL-6	50
WATERBURY				
SITE 01	CITY HALL, 235 GRAND STREET CONNECTICUT STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-LITCHFIELD POP CL-5	55
DELAWARE				
KENT COUNTY				
SITE 01	HQ BLDG, BOMBAY HOOK NAT WILDLIFE REFUGE AIR POLLUTION AUTHORITY, STATE BOARD OF HEALTH	TYPE-	N BOMBAY HOOK NAT REFUGE FARMLAND	11
NEWARK				
SITE 01	INSECTORY, EXPERM. FARM 521 S. COLLEGE AV AIR POLLUTION AUTHORITY, STATE BOARD OF HEALTH	TYPE-	IRC COUNTY-NEW CASTLE POP CL-9	14
WILMINGTON				
SITE 01	PUBLIC BUILDING, 1000 KING STREET CITY DEPARTMENT OF HEALTH	TYPE-	IRC COUNTY-NEW CASTLE POP CL-6	44
DC				
WASHINGTON				
SITE 01	MUNICIPAL BLDG 301 INDIANA AVE N W DISTRICT OF COLUMBIA DEPARTMENT OF PUBLIC HEALTH	TYPE-	RC COUNTY-DST OF COLUMBIA POP CL-3	85
SITE 02	FIRST AND L STREETS, N.W. DISTRICT OF COLUMBIA DEPT OF PUBLIC HEALTH	TYPE-	R COUNTY-DST OF COLUMBIA POP CL-3	10
FLORIDA				
APALACHICOLA				
SITE 01	FRANKLIN COUNTY MARINE LAB NORTH 12TH ST FLORIDA STATE BOARD OF HEALTH	TYPE-	R COUNTY-FRANKLIN POP CL-9	12
GAINESVILLE				
SITE 01	816 SOUTHWEST 4TH AVENUE FLORIDA STATE BOARD OF HEALTH	TYPE-	RC COUNTY-ALACHUA POP CL-7	15
JACKSONVILLE				
SITE 03	135 RIVERSIDE AVE FLORIDA STATE BOARD OF HEALTH	TYPE-	C COUNTY-DUVAL POP CL-5	60
MIAMI				
SITE 03	1320 N.W. 14TH ST AGENCY NOT IDENTIFIED	TYPE-(*)	COUNTY-DADE POP CL-5	(*)
MONROE COUNTY				
SITE 01	LOWE'S POINT KEY LARGO CAPTAIN EUGENE LOWE AND FLORIDA STATE BOARD OF HEALTH	TYPE-	N FLORIDA KEYS EAST CST	6
ORLANDO				
SITE 01	COUNTY HEALTH DEPT 832 W CENTRAL BLVD FLORIDA STATE BOARD OF HEALTH	TYPE-	C COUNTY-ORANGE POP CL-6	30

TALLAHASSEE					
SITE 01	325 E GAINES STREET	TYPE-(*)	COUNTY-LEON		
	AGENCY NOT IDENTIFIED			POP CL-7	(*)
WINTER HAVEN					
SITE 01	225 AVENUE D N W	TYPE- RC	COUNTY-POLK		
	FLORIDA STATE BOARD OF HEALTH			POP CL-8	15
GEORGIA					
ALBANY					
SITE 01	306 FLINT STREET	TYPE- C	COUNTY-DOUGHERTY		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-6	12
ATLANTA					
SITE 01	FULTON COUNTY HEALTH DEPT 99 BUTLER ST SE	TYPE- IC	COUNTY-FULTON		
	FULTON COUNTY HEALTH DEPARTMENT			POP CL-4	20
AUGUSTA					
SITE 01	RICHMOND CO HEALTH DEPT, 1001 BAILIE DR	TYPE- RC	COUNTY-RICHMOND		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-6	18
BRUNSWICK					
SITE 01	GLYNN CNTY HLTH DEPT, MANSFIELD STREET	TYPE- C	COUNTY-GLYNN		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-8	4
COLUMBUS					
SITE 01	MUSCOGEE CITY HEALTH DEPT, 1958 8TH AVE	TYPE- RC	COUNTY-MUSCOGEE		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-5	25
GAINESVILLE					
SITE 01	HALL CNTY HLTH DEPT., ENOTA DRIVE	TYPE- RS	COUNTY-HALL		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-8	20
LYONS					
SITE 01	WASHINGTON AND GRADY STREETS	TYPE- R	COUNTY-TOOMBS		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-9	40
MACON					
SITE 01	W T GRANT CO, 418 THIRD STREET	TYPE- C	COUNTY-BIBB		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-6	30
ROME					
SITE 01	FLOYD HOSPITAL, 304 TURNER MCCALL BLVD	TYPE- C	COUNTY-FLOYD		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-7	55
ROSSVILLE					
SITE 01	WALKER CNTY HLTH DEPT, 101 S DUKE ATREET	TYPE- RC	COUNTY-WALKER		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-9	20
SAVANNAH					
SITE 01	CHATHAM CO COURT HOUSE BULL + BAY ST	TYPE- C	COUNTY-CHATHAM		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-5	55
VALDOSTA					
SITE 01	108 EAST CENTRAL AVENUE	TYPE- C	COUNTY-LAWNDES		
	GEORGIA DEPARTMENT OF PUBLIC HEALTH			POP CL-7	30
HAWAII					
HONOLULU					
SITE 01	STATE DEPT HLTH BLDG, 1250 PUNCH BOWL ST	TYPE- RC	COUNTY-HONOLULU		
	STATE DEPARTMENT OF HEALTH			POP CL-5	40
KAHALUU					
SITE 02	NO SITE ADDRESS	TYPE-(*)	NO SITE ADDRESS		
	STATE DEPARTMENT OF HEALTH			WEST CST	(*)
IDAHO					
BOISE					
SITE 01	CENTRAL FIRE STATION, SIXTH AND IDAHO STS	TYPE- C	COUNTY-ADA		
	CITY-COUNTY HEALTH DEPARTMENT			POP CL-7	50
BLITE COUNTY					
SITE 01	H Q AREA, CRATERS OF THE MOON NATL MON	TYPE- N	CRATERS OF MOON NAT PK		
	NATIONAL PARK SERVICE			DESERT	6
ILLINOIS					
BLUE ISLAND					
SITE 01	EISENHOWER H S 12700 SACRAMENTO AVE	TYPE- IR	COUNTY-COOK		
	COOK COUNTY AIR POLLUTION CONTROL BUREAU			POP CL-8	43
CALUMET CITY					
SITE 01	THORNTON HIGH SCHOOL, 755 PULASKI ROAD	TYPE- R	COUNTY-COOK		
	COOK COUNTY AIR POLLUTION CONTROL BUREAU			POP CL-7	26

CHICAGO				
SITE 01	CITY OFFICE BLDG 320 NORTH CLARK STREET CHICAGO DEPARTMENT OF AIR POLLUTION CONTROL	TYPE-	C COUNTY-COOK	POP CL-1 100
SITE 02	445 SOUTH PLYMOUTH COURT CHICAGO DEPT OF AIR POLLUTION CONTROL	TYPE-	C COUNTY-COOK	POP CL-1 12
CHICAGO HEIGHTS				
SITE 01	BLOOM H S, DIXIE HIGHWAY AND 10TH ST COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-7 32
CICERO				
SITE 01	ROOSEVELT SCHOOL, 15TH ST AND 50TH AVE COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-6 34
COOK COUNTY				
SITE 01	ARGO HIGH SCHOOL, 63RD ST AND 74TH AVE COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-9 32
ILLINOIS				
EAST ST LOUIS				
SITE 01	FIRST FEDERAL BLDG 435 MISSOURI AVE EAST STOF HEALTH DISTRICT	TYPE-	C COUNTY-ST CLAIR	POP CL-6 65
FLOSSMOOR				
SITE 01	HIGH SCHOOL, 999 KEDZIE AVE + 189TH ST COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	R COUNTY-COOK	POP CL-9 30
FRANKLIN PARK				
SITE 01	F LEYDEN H S, 3400 NORTH ROSE + ADDISON COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-8 28
HARVEY				
SITE 01	LOWELL ELEM SCH, 157TH ST AND LEXINGTON COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	R COUNTY-COOK	POP CL-7 23
HILLSIDE				
SITE 01	PROVISO W HIGH SCH, WOLF AND HARRISON COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-9 30
JOLIET				
SITE 01	5 E VAN BUREN ST, RIALTO THEATRE BLDG WILL COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-WILL	POP CL-6 100
MIDLOTHIAN				
SITE 01	BREMEN TWNSHP H S, 15205 CRAWFORD COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-8 26
NILES				
SITE 01	E MAINE JR HIGH, 8955 GREENWOOD AVE COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-7 20
ORLAND PARK				
SITE 01	C SANDBURG H S, 133RD ST AND LAGRANGE COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-9 20
PALATINE				
SITE 01	PALATINE TWNSHP H S, 1000 QUENTIN RD COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-8 24
RIVER FOREST				
SITE 01	JR HIGH SCH, N E CORNER LATHROP + OAK COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-8 28
ROCKFORD				
SITE 01	OLD CITY HALL, 126 SOUTH FIRST ST CITY DEPARTMENT OF PUBLIC HEALTH	TYPE-	IRC COUNTY-WINNEBAGO	POP CL-5 30
SPRINGFIELD				
SITE 01	212 SOUTH SECOND DEPARTMENT OF PUBLIC HEALTH + SAFETY	TYPE-	C COUNTY-SANGAMON	POP CL-6 20
WILMETTE				
SITE 01	CENTRAL SCHOOL, N W CORNER 9TH + CENTRAL COOK COUNTY AIR POLLUTION CONTROL BUREAU	TYPE-	IR COUNTY-COOK	POP CL-8 24
INDIANA				
EAST CHICAGO				
SITE 01	CENTRAL FIRE STATION, 450 E COLUMBUS DR CITY BUREAU OF AIR POLLUTION CONTROL	TYPE-	I COUNTY-LAKE	POP CL-6 35
EVANSVILLE				
SITE 02	1065 W PENNSYLVANIA STREET SMOKE ABATEMENT DEPARTMENT	TYPE-	IRC COUNTY-VANDERBURGH	POP CL-5 35

HAMMOND
SITE 01 GOLDBLATT BROS DEPT STORE, 5206 HOHMAN AV TYPE- RC COUNTY-LAKE
CITY HEALTH DEPARTMENT POP CL-5 55

INDIANAPOLIS
SITE 01 FIRE STATION NO, 301 EAST NEW YORK ST TYPE- C COUNTY-MARION
CITY BUREAU OF AIR POLLUTION CONTROL POP CL-4 35

MONROE COUNTY
SITE 01 MARTINSVILLE, INDIANA, RT 3 POLLING CABN TYPE- N M MONROE STATE FOREST
AIR POLL CONT SECT, DIV SAN ENG, IND ST BOARD OF HEALTH FARMLAND 5

MUNCIE
SITE 01 213 EASTE WASHINGTON STREET POLICE GARAGE TYPE- C COUNTY-DELAWARE
CITY OF MUNCIE POP CL-6 50

PARKE COUNTY
SITE 01 TURKEY RUN STATE PARK TYPE- N TURKEY RUN STATE PARK
STATE DEPARTMENT OF CONSERVATION FARMLAND 7

SOUTH BEND
SITE 01 PICK OLIVER HOTEL, WASH AND MAIN ST TYPE- C COUNTY-ST JOSEPH
CITY DEPARTMENT OF ENGINEERING POP CL-5 80

TERRE HAUTE
SITE 01 FIRE ENGINE HOUSE, 19TH AND WABASH STS TYPE- I COUNTY-VIGO
CITY DEPARTMENT OF SMOKE SUPERVISION AND INSPECTION POP CL-6 2

IOWA
CEDAR RAPIDS
SITE 01 CENTRAL FIRE STATION 427 1ST ST S E TYPE- IRC COUNTY-LINN
DEPARTMENT OF PUBLIC HEALTH POP CL-6 32

DAVENPORT
SITE 01 FIRE STATION, 331 SCOTT TYPE- IRC COUNTY-SCOTT
CITY BOARD OF HEALTH POP CL-6 30

DELAWARE COUNTY
SITE 01 FISH HATCHERY BACKBONE STATE PARK TYPE- N BACKBONE STATE PARK
STATE CONSERVATION COMMISSION FARMLAND 3

DES MOINES
SITE 01 CENTRAL FIRE STA, NO 1 9TH AND MUL STS TYPE- IRC COUNTY-POLK
DES MOINES-POLK COUNTY HEALTH DEPARTMENT POP CL-5 32

DUBUQUE
SITE 01 CITY GARAGE 16TH AND ELM STS TYPE- IC COUNTY-DUBUQUE
CITY OF DUBUQUE POP CL-6 21

KANSAS
KANSAS CITY
SITE 01 FIRE HEADQUARTERS, SIXTH + ANN AVENUES TYPE- C COUNTY-WYANDOTTE
KANSAS CITY-WYANDOTTE COUNTY HEALTH DEPARTMENT POP CL-5 34

TOPEKA
SITE 01 CITY BUILDING, 215 EAST SEVENTH STREET TYPE- IRC COUNTY-SHAWNEE
TOPEKA-SHAWNEE COUNTY HEALTH DEPARTMENT POP CL-5 62

WICHITA
SITE 01 FIRE STATION NO 1, 402 NORTH WATER ST TYPE- C COUNTY-SEDGWICK
WICHITA-SEDGWICK COUNTY DEPARTMENT OF PUBLIC HEALTH POP CL-5 35

KENTUCKY
ASHLAND
SITE 01 KENTUCKY POWER CO, 340 - 15TH STREET TYPE- C COUNTY-BOYD
ASHLAND - BOYD COUNTY HEALTH DEPARTMENT POP CL-7 52

COVINGTON
SITE 01 US POST OFFICE-SOUTHWEST 7TH + SCOTT TYPE- IRC COUNTY-KENTON
COVINGTON-KENTON HEALTH DEPARTMENT POP CL-6 42

LEXINGTON
SITE 01 COLL OF PHARMACY, COR OF WASH AND GLAD TYPE- RC COUNTY-FAYETTE
UNIVERSITY COLLEGE OF PHARMACY POP CL-6 41

LOUISVILLE
SITE 01 CITY POLICE HQ 633 W JEFFERSON ST TYPE- C COUNTY-JEFFERSON
JEFFERSON COUNTY AIR POLLUTION CONTROL DISTRICT POP CL-5 35

LOUISIANA
NEW ORLEANS
SITE 02 CIVIL COURTS BLDG ROOF 427 LOYOLA AVE TYPE- C COUNTY-ORLEANS
LOUISIANA STATE BOARD OF HEALTH POP CL-4 72

MAINE
ACADIA NATIONAL PARK
SITE 01 SEAWALL AREA OF PARK TYPE- N ACADIA NATIONAL PARK
NATIONAL PARK SERVICE EAST CST 15

MARYLAND
BALTIMORE
SITE 01 FIRE DEPT HQ BLDG, 410 E LEXINGTON ST TYPE- C COUNTY-BALTIMORE CITY
CITY HEALTH DEPARTMENT POP CL-3 32

CALVERT COUNTY
SITE 01 SOLOMONS ISLAND TYPE- N SOLOMONS ISLAND
MARYLAND STATE DEPARTMENT OF HEALTH FARMLAND 10

MASSACHUSETTS
BOSTON
SITE 01 FORD BLDG 15 ASHBURTON PLACE TYPE- RC COUNTY-SUFFOLK
DEPARTMENT OF PUBLIC HEALTH DIVISION OF AIR USE MANAGEMENT POP CL-4 100

BROCKTON
SITE 02 PAINE SCHOOL, CRESENT STREET TYPE- RC COUNTY-PLYMOUTH
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-6 40

LAWRENCE
SITE 01 LAWRENCE EXPERIMENT STAT 37 SHATTUCK ST TYPE- R COUNTY-ESSEX
MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH POP CL-6 55

LYNN
SITE 01 CITY HALL, CITY HALL SQUARE TYPE- RC COUNTY-ESSEX
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-6 75

NEW BEDFORD
SITE 01 MUNICIPAL BUILDING 133 WILLIAMS STREET TYPE- C COUNTY-BRISTOL
MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH POP CL-5 50

QUINCY
SITE 01 HEALTH DEPARTMENT BLDG 1120 HANCOCK ST TYPE- RC COUNTY-NORFOLK
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-6 50

SPRINGFIELD
SITE 01 MUNICIPAL HOSPITAL, 1414 STATE STREET TYPE- R COUNTY-HAMPDEN
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-5 60

MICHIGAN
DETROIT
SITE 01 PUBLIC LIBRARY 5201 WOODWARD AVENUE TYPE- C COUNTY-WAYNE
CITY BUREAU OF AIR POLLUTION CONTROL POP CL-2 90

FLINT
SITE 01 FIRE STATION ROOF DETROIT ST AND 4TH AVE TYPE- C COUNTY-GENESEE
CITY DEPARTMENT OF PUBLIC WORKS AND UTILITIES POP CL-5 50

GRAND RAPIDS
SITE 01 MICHIGAN TITLE COMPANY 320 OTTAWA AVENUE TYPE-IRC COUNTY-KENT
CITY DEPARTMENT OF AIR POLLUTION POP CL-5 25

MINNESOTA
DULUTH
SITE 01 CITY HALL, FOURTH AVE, WEST AND FIRST ST TYPE- IRC COUNTY-ST LOUIS
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-5 63

MINNEAPOLIS
SITE 01 U OF M ST BD OF HLTH BLDG 417 17TH AVE SE TYPE- IC COUNTY-HENNEPIN
CITY OF MINNEAPOLIS AIR POLLUTION CONTROL DIVISION POP CL-4 64

MOORHEAD
SITE 01 OLD POST OFFICE BLDG 521 MAIN AVENUE TYPE- C COUNTY-CLAY
CITY OF MOORHEAD POP CL-8 28

ST PAUL
SITE 01 PUBLIC UTILITIES BLDG, 100 EAST 10TH ST TYPE- IC COUNTY-RAMSEY
SMOKE ABATEMENT BOARD, CITY DEPARTMENT OF PUBLIC UTILITIES POP CL-5 43

MISSISSIPPI
JACKSON COUNTY
SITE 01 OCEAN SPRINGS GULF COAST LAB, DAVIS BAY TYPE- N DAVIS BAY
GULF COAST RESEARCH LAB INSTITUTIONS OF HIGHER LEARNING GULF CST 0

MISSOURI
KANSAS CITY
SITE 01 POLICE GARAGE 1325 OAK STREET TYPE- IC COUNTY-JACKSON
CITY DEPARTMENT OF PUBLIC HEALTH POP CL-4 12

ST LOUIS
SITE 01 P O BUILDING, 18TH AND MARKET STREETS TYPE- C COUNTY-ST LOUIS CITY M
DIVISION AIR POLLUTION CONTROL, CITY DEPT OF PUBLIC SAFETY POP CL-3 58

SITE 02 215 SOUTH 12TH BOULEVARD TYPE- IC COUNTY-ST LOUIS
UNITED STATES PUBLIC HEALTH SERVICE POP CL-3 9

SHANNON COUNTY
SITE 01 EMINENCE FIRE CONTROL TOWER, ST HWY 19 TYPE- N EMINENCE FIRE CONTROL TW
MISSOURI STATE CONSERVATION COMMISSION AND ST HEALTH DEPARTMENT FOREST 100

MONTANA
GLACIER NATIONAL PARK
SITE 01 ST MARY RANGER STATION (BARB) TYPE- N GLAC NATL PK BOX 14
NATIONAL PARK SERVICE MOUNTAIN 3

HELENA
SITE 01 STATE LAB BLDG, LOCKEY AV AND N ROB STS TYPE- RC COUNTY-LEWIS + CLARK
STATE BOARD OF HEALTH POP CL-8 25

NEBRASKA
OMAHA
SITE 01 CITY HALL, 18TH AND FARNAM STREETS TYPE- IC COUNTY-DOUGLAS
SMOKE ABATEMENT DIVISION, CITY DEPARTMENT OF PUBLIC SAFETY POP CL-5 110

THOMAS COUNTY
SITE 01 BESSEY NURSERY, NEBRASKA NATIONAL FOREST TYPE- N NEBRASKA NATIONAL FOREST
UNITED STATES FOREST SERVICE FARMLAND 5

NEVADA
LAS VEGAS
SITE 01 FIRE ALARM BLDG, SECOND AND STEWART STS TYPE- IC COUNTY-CLARK
CLARK COUNTY DISTRICT HEALTH DEPARTMENT POP CL-6 42

RENO
SITE 01 COUNTY-CITY HLTH DEPT, 10 KIRMAN STREET TYPE- RC COUNTY-WASHOE
CITY-COUNTY DISTRICT HEALTH DEPARTMENT POP CL-6 20

WHITE PINE COUNTY
SITE 01 LEHMAN CAVES NATIONAL MONUMENT TYPE- N LEHMAN CAVES NATL MON
NATIONAL PARK SERVICE DESERT 3

NEW HAMPSHIRE
CONCORD
SITE 01 61 SOUTH SPRING STREET TYPE- RC COUNTY-MERRIMACK
STATE DEPARTMENT OF HEALTH + WELFARE POP CL-7 30

COOS COUNTY
SITE 01 U S FISH CUL STA, WHITE MTN NAT FOR TYPE- N WHITE MOUNTAIN NAT FOR
UNITED STATES FISH AND WILDLIFE SERVICE FOREST 0

NEW JERSEY
BAYONNE
SITE 01 BAYONNE HOSPITAL RD, 29TH STREET TYPE- IR COUNTY-HUDSON
BAYONNE DEPARTMENT OF HEALTH POP CL-6 50

BURLINGTON COUNTY
SITE 02 J KANE NURSERY 2102 MARLTON PIKE TYPE- RC COUNTY-BURLINGTON
CHERRY HILL BOARD OF HEALTH POP CL-9 12

CAMDEN
SITE 01 FIRE HQ BLDG, THIRD AND ARCH STS TYPE- IRC COUNTY-CAMDEN
BUREAU OF FIRE, DEPARTMENT OF PUBLIC SAFETY POP CL-5 30

ELIZABETH
SITE 01 THOMAS JEFFERSON HIGH SCH, 27 E SCOTT ST TYPE- R COUNTY-UNION
CITY BOARD OF HEALTH POP CL-5 63

GLASSBORO
SITE 01 BOSS HART HALL GLASSBORO STATE COLLEGE TYPE- RC COUNTY-GLOUCESTER
STATE OF NEW JERSEY POP CL-8 40

HAMILTON
SITE 01 MUNICIPAL BLDG 2090 GREENWOOD AVENUE TYPE- I COUNTY-MERCER
HAMILTON TOWNSHIP HEALTH DEPARTMENT POP CL-6 50

JERSEY CITY
SITE 01 MEDICAL CENTER GARAGE BLDG, CORNELISON AV TYPE- IR COUNTY-HUDSON
CITY BOARD OF HEALTH POP CL-5 85

NEWARK
SITE 01 920 BROAD STREET, CITY HALL TYPE- IC COUNTY-ESSEX
CITY DEPARTMENT OF HEALTH AND WELFARE POP CL-4 65

PATERSON
SITE 01 BOARD OF HEALTH ROOF-MILL AND PASSAIC STS TYPE- IC COUNTY-PASSAIC
PATERSON BOARD OF HEALTH POP CL-5 32

PERTH AMBOY
SITE 01 HEALTH DEPT, 260 HIGH STREET TYPE- R COUNTY-MIDDLESEX
BUREAU OF AIR POLLUTION CONTROL POP CL-7 15

TRENTON
SITE 01 STATE HOUSE ANNEX, WEST STATE ST TYPE- IRC COUNTY-MERCER
BUREAU OF ADULT + OCCUPATIONAL HEALTH POP CL-5 60

NEW MEXICO
ALBUQUERQUE
SITE 01 100 BLOCK AT TIJERAS AVE NE TYPE- IRC COUNTY-BERNALILLO
ALBUQUERQUE DEPARTMENT OF ENVIRONMENTAL HEALTH POP CL-5 42

RIO ARRIBA COUNTY
SITE 01 WEST OF WATER FILTER PLANT TYPE- N WATER FILTER PLANT
RIO ARRIBA COUNTY MOUNTAIN 7

NEW YORK
AKRON
SITE 01 AKRON SEWAGE TREATMENT PLANT TYPE- S COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 0

ALBANY
SITE 01 STATE DEPT OF HLTH BLDG, 84 HOLLAND AVE TYPE- R COUNTY-ALBANY
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-5 40

BABYLON
SITE 01 EAST FARMINGDALE WATER PLANT GAZZA BLVD TYPE- IS COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-8 25

BINGHAMTON
SITE 02 COUNTY HEALTH BUILDING TYPE- C COUNTY-BROOME
STATE OF NEW YORK DEPARTMENT OF HEALTH POP CL-6 30

SITE 03 NORTH HIGH TYPE- RC COUNTY-BROOME
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-6 50

BUFFALO
SITE 01 MUSEUM OF NATURAL SCIENCE, HUMBOLT PKWY TYPE- RC COUNTY-ERIE
ERIE COUNTY HEALTH DEPARTMENT POP CL-4 50

SITE 03 P S 26 84 HARRISON STREET TYPE- I COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-4 20

CHEEKTOWAGA NW
SITE 01 TOWN HALL TYPE- R COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-6 60

CHEMUNG COUNTY
SITE 02 BIGFLATS NO SITE ADDRESS TYPE- IS COUNTY-CHEMUNG
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-9 10

COLUMBIA COUNTY
SITE 01 WATER TREATMENT PLANT TYPE- S COUNTY-COLUMBIA
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 35

ELMIRA
SITE 01 MAINTENANCE BUILDING, 808 CANAL STREET TYPE- IR COUNTY-CHEMUNG
CITY MAINTENANCE DEPARTMENT POP CL-7 16

ENDICOTT
SITE 01 CHARLES F JOHNSON JUNIOR HIGH SCHOOL TYPE- R COUNTY-BROOME
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-8 15

ENDICOTT
SITE 02 GEORGE W JOHNSON ELEMENTARY SCHOOL TYPE- IR COUNTY-BROOME
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-8 45

ERIE COUNTY
SITE 11 HOLLAND WATER WORKS TYPE- N COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 0

GARDEN CITY
SITE 01 ADMINISTRATION BUILDING TYPE- RC COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-8 90

GLEN COVE
SITE 01 POLICE GARAGE, 146 GLEN STREET TYPE- IRC COUNTY-NASSAU
CITY DEPARTMENT OF PUBLIC WORKS POP CL-8 18

HEMPSTEAD
SITE 01 OCEANSIDE SEW PUMP STAT TYPE- IR COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-7 3

HORSEHEADS
SITE 01 HORSEHEAD SENIOR HIGH SCHOOL TYPE- RC COUNTY-CHEMUNG
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 50

HUDSON
SITE 01 HUDSON WATER TREATMENT PLANT TYPE- IR COUNTY-COLUMBIA
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-8 0

JEFFERSON COUNTY
SITE 01 FOG SIGNAL BLDG TIBBETTS PT LIGHT STA TYPE- N CAPE VINCENT
UNITED STATES COAST GUARD GT.LAKES 18

JOHNSON CITY
SITE 01 JOHNSON CITY SR H S MAIN STREET TYPE- R COUNTY-BROOME
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-8 45

KINGS POINT
SITE 01 SAMUELS HALL MARINE ACADEMY TYPE- S COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-9 50

KINGSTON
SITE 01 ULSTER COUNTY OFFICE BUILDING TYPE- RC COUNTY-ULSTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-7 90

LACAWANNA
SITE 01 SEWAGE TREATMENT PLANT TYPE- IR COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-7 0

SITE 02 OUR LADY OF VICTORY CONVENT TYPE- C COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-7 80

MASSENA
SITE 01 CITY SEWAGE TREATMENT PLANT, E OPVIS ST TYPE- IRC COUNTY-ST LAWRENCE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-8 13

MT VERNON
SITE 01 CITY HALL BLDG TYPE- C COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-6 40

NASSAU COUNTY
SITE 02 OYSTER BAY NO SITE ADDRESS TYPE-(*) COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-9 (*)

SITE 03 CO. SANITARIUM PLAINVIEW, OYSTER BAY TYPE- IS COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-9 30

SITE 04 OYSTER BAY WATER DISTRICT TYPE- S COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-9 3

NEW PALTZ
SITE 01 VILLAGE GARAGE TYPE- S COUNTY-ULSTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 15

NEW ROCHELLE
SITE 02 HEALTH DEPARTMENT TYPE- RCS COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-6 40

NEW YORK CITY
SITE 01 HARLEM COURT HOUSE, 170 EAST 121 STREET TYPE- RC COUNTY-BRONX
DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 075

SITE 12 N Y UNIV (HGTS CAMPUS) 1911 OSBORN PL TYPE- IRC COUNTY-BRONX
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 10

SITE 13 CENTRAL PARK-BELVEDERE TOWER 79 STREET TYPE- R COUNTY-NEW YORK
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 40

SITE 14 BUREAU OF LABORITIES 170 E 121 ST TYPE- RC COUNTY-NEW YORK
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 20

SITE 22 SAMUEL GOMPERS H S 445 SOUTHERN BLVD TYPE- IC COUNTY-BRONX
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 75

SITE 23 W ENTRANCE OF 59ST BRIDGE 59ST+BRIDGE PL TYPE- IC COUNTY-NEW YORK
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 10

SITE 24 SHERATON WHITEHALL BLDG 17 BATTERY PLACE TYPE- C COUNTY-NEW YORK
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 350

SITE 26 FRHS (ENG CO 258) 10-40 47 AVE LG ISL CTY TYPE- IRC COUNTY-QUEENS
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 55

SITE 27 BROOKLYN POLYTECHNIC INSTITUTE 333 JAY ST TYPE- IRC COUNTY-KINGS
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 35

SITE 28 WILLOWBROOK HOSPITAL STATON ISLAND TYPE- S COUNTY-RICHMOND
CITY OF NEW YORK DEPARTMENT OF AIR POLLUTION CONTROL POP CL-1 20

OSSINING
SITE 01 HIGHLANDS AVENUE HIGH SCHOOL TYPE- C COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-8 45

POUGHKEEPSIE
SITE 01 POUGHKEEPSIE WATER WORKS TYPE- R COUNTY-DUTCHESS
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-7 30

ROCHESTER
SITE 01 FIRE HQ BUILDING, 185 NORTH STREET TYPE- C COUNTY-MONROE
MONROE COUNTY HEALTH DEPARTMENT POP CL-5 30

ROCKVILLE CTR
SITE 01 NO SITE ADDRESS TYPE- IRC COUNTY-NASSAU
STATE OF NEW YORK,DEPARTMENT OF HEALTH POP CL-7 3

SAUGERTIES
SITE 01 MALDEN SERVICE AREA TYPE- IN COUNTY-DUTCHESS
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 12

SCHENECTADY
SITE 01 CITY HALL, 105 JAY STREET TYPE- RC COUNTY-SCHENECTADY
CITY HEALTH DEPARTMENT POP CL-6 80

SCHENECTADY COUNTY
SITE 11 BEVIS HILL RESERVOIR TYPE- R COUNTY-SCHENECTADY
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 0

SLOAN
SITE 01 WOODROW WILSON SCHOOL TYPE- R COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 50

SOUTHAMPTON
SITE 01 COUNTY CENTER BUILDING TYPE- S COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 22

SUFFOLK COUNTY
SITE 01 STATE UNIVERSITY, STONY BROOK TYPE- RS COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 50

SITE 02 SUFFOLK WATER AUTHORITY, BARTON AVENUE TYPE- R COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 0

SITE 11 BRENTWOOD HIGH SCHOOL TYPE-(*) COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 (*)

SITE 22 DISTRICT COURT BUILDING TYPE- C COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 50

SITE 31 HOME OF SEYMOUR BECKER TYPE- R COUNTY-SUFFOLK
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 0

SYRACUSE
SITE 01 WATER DEPT MAINT BLDG 101 N BEECH STREET TYPE- C COUNTY-ONONDAGA
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-5 15

TONAWANDA
SITE 01 SHERIDAN PARKSIDE SCHOOL TYPE- R COUNTY-ERIE
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-8 65

TROY
SITE 01 PICKETT'S BUILDING, RPI CAMPUS TYPE- RC COUNTY-RENNSELAER
DIVISION OF ENVIRONMENTAL ENG RENNSELAER POLYTECHNIC INSTITUTE POP CL-6 60

SITE 02 TROY HIGH SCHOOL TYPE- RC COUNTY-RENNSELAER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-6 80

UTICA
SITE 01 CITY HEALTH OFFICE BLDG, 406 ELIZABETH ST TYPE- C COUNTY-ONEIDA
CITY HEALTH DEPARTMENT POP CL-5 15

WESTCHESTER COUNTY
SITE 01 PRIMROSE ST ELEMENTARY SCHOOL SOMERS TYPE- N COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-9 30

WHITE PLAINS
SITE 01 COUNTY BUILDING 148 MARTINE AVENUE TYPE- C COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-6 150

YONKERS
SITE 02 WATER TREATMENT PLANT TYPE- R COUNTY-WESTCHESTER
STATE OF NEW YORK, DEPARTMENT OF HEALTH POP CL-5 20

NORTH CAROLINA
ASHEVILLE
SITE 01 GROVE ARCADE BLDG, BATTERY PARK AVENUE TYPE- C COUNTY-BUNCOMBE
BUNCOMBE COUNTY HEALTH DEPARTMENT POP CL-6 45

CHARLOTTE
SITE 01 FIRE DEPT BLDG, 128 SOUTH DAVIDSON ST TYPE- C COUNTY-BRUNSWICK
CITY HEALTH DEPARTMENT POP CL-5 40

CAPE HATTERAS NAT SEA
SITE 01 BODIE ISLAND CAPE HATTERAS REC AREA TYPE- N CAPE HATTERAS
NATIONAL PARK SERVICE EAST CST 7

NORTH DAKOTA
BISMARCK
SITE 01 MEMORIAL BUILDING, 213 SIXTH STREET TYPE- C COUNTY-BURLEIGH
CITY DEPARTMENT OF HEALTH AND BUILDING INSPECTION POP CL-7 30

FARGO
SITE 01 CIVIC CENTER ROOF 201 NO. 4TH TYPE- C COUNTY-CASS
CITY HEALTH DEPARTMENT POP CL-7 24

WARD COUNTY
SITE 01 MAINT BLDG UP, SOURIS, LAKE DARLING TYPE- N LAKE DARLING
UNITED STATES FISH AND WILDLIFE SERVICE FARMLAND 12

OHIO
ADAMS COUNTY
SITE 01 ADAMS COUNTY HOSPITAL WEST UNION OHIO TYPE- S COUNTY-ADAMS
OHIO DEPARTMENT OF HEALTH POP CL-9 25

AKRON
SITE 01 FIRE STATION NO. 4, 821 COBURN STREET TYPE- IRC COUNTY-SUMMIT
CITY DEPARTMENT OF HEALTH POP CL-5 30

CANTON
SITE 01 CITY HALL TYPE- C COUNTY-STARK
OHIO DEPT. OF HEALTH POP CL-5 23

CINCINNATI
SITE 01 PUBLIC LIBRARY BUILDING, 800 VINE STREET TYPE- C COUNTY-HAMILTON
BUR OF AIR POLL CONTROL AND HEATING INSP CITY DEPT OF SAFETY POP CL-4 80

SITE 02 COLLEGE HILL 1654 MARLOWE AVENUE TYPE- R COUNTY-HAMILTON
CITY OF CINCINNATI DIVISION OF AIR POLLUTION CONTROL POP CL-4 30

SITE 03 CENTRAL AVENUE AND ANN STREET TYPE- C COUNTY-HAMILTON
CITY OF CINCINNATI DIV OF AIR POLLUTION CONTROL POP CL-4 25

CLEVELAND
SITE 01 CLEVELAND HEALTH MUSEUM, 8911 EUCLID AVE TYPE- C COUNTY-CUYAHOGA
CITY DEPARTMENT OF HEALTH AND WELFARE POP CL-3 50

COLUMBUS
SITE 01 HLTH + SAFETY CENTER, 181 S WASH BLVD TYPE- IC COUNTY-FRANKLIN
CIYT DIV OF SMOKE REGULATION AND INSP DEPT OF PUBLIC SAFETY POP CL-4 62

DAYTON
SITE 01 MUNICIPAL BUILDING, 101 W. THIRD STREET TYPE- I COUNTY-MONTGOMERY
CITY BUR OF COMBUSTION CONTROL, CITY DIV OF BLDG INSPECTION POP CL-5 88

EAST LIVERPOOL
SITE 01 MUNICIPAL BLDG 126 W 6TH ST E LIVERPOOL O TYPE- C COUNTY-COLUMBIANA
OHIO DEPARTMENT OF HEALTH POP CL-8 15

FRANKLIN
SITE 01 FOURTH AND MAIN STREETS FRANKLIN OHIO TYPE- C COUNTY-WARREN
OHIO DEPARTMENT OF HEALTH POP CL-9 45

GREENVILLE
SITE 01 MILK PROD ASSOC 200 E 3RD ST GREENVILLE O TYPE- C COUNTY-DARKE
OHIO DEPARTMENT OF HEALTH POP CL-8 30

HAMILTON
SITE 01 2 HIGH STREET HAMILTON OHIO TYPE- C COUNTY-BUTLER
OHIO DEPARTMENT OF HEALTH POP CL-6 110

LORAIN
SITE 01 WATER WORKS OFFICE BLDG, 1106 FIRST ST TYPE- IC COUNTY-LORAIN
CITY DEPARTMENT OF PUBLIC SERVICE POP CL-6 15

MARYSVILLE
SITE 01 SOUTH MAIN AND SIXTH STREETS MARYSVILLE O TYPE- C COUNTY-UNION
OHIO DEPARTMENT OF HEALTH POP CL-9 20

NAPOLEON
SITE 01 726 N PERRY ST NAPOLEON OHIO TYPE- C COUNTY-HENRY
OHIO DEPARTMENT OF HEALTH POP CL-9 34

NEWARK
SITE 01 CENTRAL FIRE STATION 75 S 4TH ST NEWARK O TYPE- C COUNTY-LICKING
OHIO DEPARTMENT OF HEALTH POP CL-7 20

PAINESVILLE
SITE 01 7 RICHMOND STREET TYPE- C COUNTY-LAKE
OHIO DEPARTMENT OF HEALTH POP CL-8 18

PORTSMOUTH
SITE 01 1001 NINTH STREET TYPE- C COUNTY-SCIOTO
OHIO DEPARTMENT OF HEALTH POP CL-7 30

STEUBENVILLE
SITE 01 CITY ANNEX BUILDING, 308 MARKET STREET TYPE- C COUNTY-JEFFERSON
CITY OF STEUBENVILLE AIR POLLUTION BUREAU POP CL-7 30

TOLEDO
SITE 01 WATER DEPARTMENT GARAGE, 565 N ERIE ST TYPE- IC COUNTY-LUCAS
DIV OF AIR AND WATER POLL CONTROL, CITY DEPT OF PUBLIC SERVICE POP CL-5 24

UPPER SANDUSKY
SITE 01 WYANDOT COUNTY COURT HOUSE TYPE- C COUNTY-WYANDOT
OHIO DEPARTMENT OF HEALTH POP CL-9 50

VAN WERT
SITE 01 107 WEST CRAWFORD STREET VAN WERT OHIO TYPE- C COUNTY-VAN WERT
OHIO DEPARTMENT OF HEALTH POP CL-8 11

WARREN
SITE 01 160 HIGH STREET WARREN OHIO TYPE- C COUNTY-TRUMBULL
OHIO DEPARTMENT OF HEALTH POP CL-6 65

WASHINGTON COURT HOUSE
SITE 01 JESS-GILMORE BLDG WASHINGTON C H OHIO TYPE- C COUNTY-FAYETTE
OHIO DEPARTMENT OF HEALTH POP CL-8 21

WOOSTER
SITE 01 534 NORTH MARKET STREET TYPE- C COUNTY-WAYNE
OHIO DEPARTMENT OF HEALTH POP CL-8 28

YOUNGSTOWN
SITE 01 CITY HALL, BOARDMAN AND PHELPS STREETS TYPE- IC COUNTY-MAHONING
DIVISION OF ENGINEERING, CITY DEPARTMENT OF PUBLIC WORKS POP CL-5 105

OKLAHOMA
CHEROKEE COUNTY
SITE 01 TAHLEQUAH CITY WATER PLANT TYPE- N CHEROKEE COUNTY OKLA
CHEROKEE COUNTY HEALTH DEPARTMENT FARMLAND 4

OKLAHOMA CITY
SITE 01 MUNIC BLDG, 200 N WALKER ST AND COUCH DR TYPE- C COUNTY-OKLAHOMA
CITY-COUNTY HEALTH DEPARTMENT POP CL-5 77

TULSA
SITE 01 HEALTH DEPT BLDG, 4616 EAST 15TH ST TYPE- R COUNTY-TULSA
CITY-COUNTY HEALTH DEPARTMENT POP CL-5 19

OREGON
CURRY COUNTY
SITE 01 CAPE BLANCO LIGHT STATION, PO BOX N SIXES TYPE- N CURRY COUNTY OREGON
UNITED STATES COAST GUARD WEST CST 3

EUGENE
SITE 01 LANE CO COURTHOUSE, 7TH AVE AND OAK ST TYPE- IRC COUNTY-LANE
STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH POP CL-6 50

MEDFORD
SITE 01 JACKSON CO CT HOUSE ANX 10 S OAKDALE ST TYPE- RC COUNTY-JACKSON
STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH POP CL-8 40

PORTLAND
SITE 01 STATE OFFICE BUILDING, 1400 SW 5TH AVENUE TYPE- C COUNTY-MULTNOMAH
STATE SANITARY AUTHORITY, STATE BOARD OF HEALTH POP CL-5 125

PENNSYLVANIA
ALLENTOWN
SITE 01 CITY HALL ANNEX, 635 LINDEN STREET TYPE- C COUNTY-LEHIGH
CITY HEALTH DEPARTMENT POP CL-5 24

ALTOONA
SITE 01 CITY HALL, 12TH STREET AND 13TH AVENUE TYPE- RC COUNTY-BLAIR
CITY DEPARTMENT OF WATER, PARKS, AND PUBLIC PROPERTY POP CL-6 62

BETHLEHEM
SITE 01 CITY HALL, 53 EAST BROAD STREET TYPE- C COUNTY-NORTHUMBERLAND
CITY BUREAU OF HEALTH POP CL-6 45

CLARION COUNTY
SITE 01 COOK FOREST STATE PARK TYPE- N COOK FOREST STATE PARK
STATE DEPARTMENT OF FORESTS AND WATERS MOUNTAIN 24

ERIE
SITE 01 UNITED STATES COURTHOUSE BLDG, 617-27 STA TYPE- IRC COUNTY-ERIE
CITY BUREAU OF ENGINEERS LICENSES AND SMOKE ABATEMENT POP CL-5 50

JOHNSTOWN
SITE 01 PUBLIC SAFETY BLDG, MARKET AND WASH STS TYPE- IC COUNTY-CAMBRIA
CITY FIRE DEPARTMENT POP CL-6 80

LANCASTER
SITE 01 BUCHART OFFICE BLDG, 914 COLUMBIA AVENUE TYPE- IC COUNTY-LANCASTER
STATE DEPARTMENT OF HEALTH POP CL-6 35

PHILADELPHIA
SITE 01 A P C LABORATORY 3200 FRANKFORD AVE TYPE- I COUNTY-PHILADELPHIA
DIV OF AIR POLL CONTROL AND ENV SANITATION CITY DEPT OF PUB HLTH POP CL-2 27

SITE 02 2031 RACE STREET TYPE- R COUNTY-PHILADELPHIA
DIV OF AIR POLL CONT AND ENV SANITATION, CITY DEPT OF PUB HLTH POP CL-2 15

PITTSBURGH
SITE 01 COUNTY OFFICE BLDG FORBES AVE AT ROSS ST TYPE- C COUNTY-ALLEGHENY
BUREAU OF AIR POLL CONTROL ALLEGHENY COUNTY DEPT OF HEALTH POP CL-4 160

READING
SITE 01 CITY HALL, 8TH AND WASHINGTON STS. TYPE- IRC COUNTY-BERKS
CITY BUREAU OF HEALTH POP CL-6 40

SCRANTON
SITE 01 FIRE STATION, WASH AND MULBERRY ST TYPE- C COUNTY-LACKAWANNA
STATE DEPARTMENT OF HEALTH POP CL-5 15

WARMINSTER
SITE 01 TREATMENT CONTROL BLDG, LOG CABIN DRIVE TYPE- R COUNTY-BUCKS
STATE DEPARTMENT OF HEALTH POP CL-9 14

WEST CHESTER
SITE 01 PLANT CONTROL BLDG, RT 3 AND WESTTOWN WAY TYPE- R COUNTY-CHESTER
STATE DEPARTMENT OF HEALTH POP CL-8 10

YORK
SITE 01 LAUREL FIRE CO BLDG, DUKE AND KING STS TYPE- C COUNTY-YORK
CITY DEPARTMENT OF HEALTH POP CL-6 40

PUERTO RICO
BAYAMON
SITE 01 FORT BUCHANAN WAREHOUSE #616 TYPE- IS
PUERTO RICO DEPARTMENT OF HEALTH POP CL-8 25

CATANO
SITE 01 PUBLIC HEALTH BUILDING, MARINA STREET TYPE- R COUNTY-CATANO
COMMONWEALTH OF PUERTO RICO DEPARTMENT OF HEALTH POP CL-4 15

SITE 02 TYPE-(*) COUNTY-CATANO
COMMONWEALTH OF PUERTO RICO DEPARTMENT OF HEALTH POP CL-4 (*)

GUAYANILLA
SITE 01 PUBLIC SCHOOL LUNCH ROOM BO MACANA TYPE- N
PUERTO RICO DEPARTMENT OF HEALTH POP CL-9 9

LOQUILLO MTS
SITE 01 MT BRITTON TYPE- N MT BRITTON
PUERTO RICO DEPARTMENT OF HEALTH FOREST 10

PONCE
SITE 01 LOPEZ MEMORIAL, CEMENTERIO ST, NO 20 TYPE- RC
PONCE DISTRICT HOSPITAL POP CL-5 19

RHODE ISLAND
EAST PROVIDENCE
SITE 01 CENTRAL JR HIGH SCHOOL, TAUTON AVE TYPE- RC COUNTY-PROVIDENCE
PROVIDENCE HEALTH DEPARTMENT POP CL-7 48

PROVIDENCE
SITE 01 POLICE HQ BLDG, FOUNT ST AT LASALLE SQ TYPE- IRC COUNTY-PROVIDENCE
CITY DEPARTMENT OF BUILDING INSPECTION POP CL-5 45

WASHINGTON COUNTY
SITE 01 PINE HILL FIRE TOWER, EXETER TYPE- N PINE HILL FIRE TOWER
STATE DEPARTMENT OF AGRICULTURE AND CONSERVATION FARMLAND 19

SOUTH CAROLINA
COLUMBIA
SITE 01 UNIVERSAL BLDG 1745-47 SUMTER STREET TYPE- C COUNTY-RICHLAND
CITY PUBLIC WORKS DEPARTMENT POP CL-6 27

GREENVILLE
SITE 01 CTY CURB MARKET ELFORD+MAIN STS TYPE- C COUNTY-GREENVILLE
SOUTH CAROLINA POLLUTION CONTROL AUTHORITY POP CL-6 20

RICHLAND COUNTY
SITE 01 LIVESTOCK LAB, CLEMSON COLL. EXPER. STA. TYPE- N CLEMSON COLL EXP STA
CLEMSON AGRICULTURE COLLEGE AND U S DEPT OF AGRICULTURE FARMLAND 440

ROCK HILL
SITE 02 FIRE STATION 214 ELIZABETH LANE TYPE- C COUNTY-YORK
SOUTH CAROLINA POLLUTION CONTROL AUTHORITY POP CL-7 24

SOUTH DAKOTA
BLACK HILLS NAT FOREST
SITE 01 TEPEE WORK CENTER TYPE- N TEPEE WORK CENTER
U S FOREST SERVICE FOREST 2

SIOUX FALLS
SITE 01 CITY HALL, 224 WEST 9TH TYPE- IRC COUNTY-MINNEHAHA
CITY HEALTH DEPARTMENT POP CL-6 44

TENNESSEE
CHATTANOOGA
SITE 01 U S POST OFFICE 9TH ST AND GEORGIA AVE TYPE- C COUNTY-HAMILTON
BUREAU OF AIR POLLUTION CONTROL AND BOILER INSPECTION POP CL-5 85

KNOXVILLE
SITE 01 MASONIC TEMPLE, 505 LOCUST STREET TYPE- IRC COUNTY-KNOX
DIV OF SMOKE REG AND BOILER INSPECTION CITY DEPT OF BUB SAFETY POP CL-5 70

MEMPHIS
SITE 01 HEALTH DEPT BLDG, 814 JEFFERSON ST TYPE- IRC COUNTY-SHELBY
MEMPHIS-SHELBY COUNTY HEALTH DEPARTMENT POP CL-4 26

NASHVILLE
SITE 01 CITY-COUNTY BUILDING, PUBLIC SQUARE TYPE- IRC COUNTY-DAVIDSON
BUREAU OF INSPECTION AND PERMITS, CITY DEPT OF PUBLIC WORKS POP CL-5 90

TEXAS
AUSTIN
SITE 02 820 EAST 53RD STREET TYPE- RC COUNTY-TRAVIS
TEXAS STATE DEPARTMENT OF HEALTH POP CL-5 20

BAYTOWN
SITE 01 ROSELAND PARK TYPE- S COUNTY-HARRIS
TEXAS STATE DEPARTMENT OF HEALTH POP CL-7 12

SITE 02 PARK STREET WATER TOWER TYPE- C COUNTY-HARRIS
TEXAS STATE DEPARTMENT OF HEALTH POP CL-7 00

CHAMBERS COUNTY
SITE 01 BEACH CITY FIRE STA BEACH CITY TEXAS TYPE- N BEACH CITY FIRE STATION
TEXAS STATE DEPARTMENT OF HEALTH GULF CST 5

SITE 02 MT BELVIEW FIRE STA MT BELVIEW TEXAS TYPE- IC MT BELVIEW FIRE STATION
TEXAS STATE DEPARTMENT OF HEALTH GULF CST 5

CLUTE CITY
SITE 01 COBB FIELD TYPE- R COUNTY-BRAZORIA
TEXAS STATE DEPARTMENT OF HEALTH POP CL-9 18

CORPUS CHRISTI				
SITE 01	3041 MORGAN STREET TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-NUECES POP CL-5	20
SITE 02	8800 UPPER RIVER ROAD TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	N COUNTY-NUECES POP CL-5	20
DALLAS				
SITE 01	CITY HALL, 2015 COMMERCE STREET CITY HEALTH DEPARTMENT	TYPE-	C COUNTY-DALLAS POP CL-4	55
EL PASO				
SITE 01	118 WEST MISSOURI TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	IN COUNTY-EL PASO POP CL-5	65
FT WORTH				
SITE 01	1000 THROCKMORTON TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-TARRANT POP CL-5	50
GALVESTON				
SITE 01	CITY HALL TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-GALVESTON POP CL-6	70
HOUSTON				
SITE 01	SAM HOUSTON COLISEUM, 810 BAGBY STREET CITY HEALTH DEPARTMENT	TYPE-	C COUNTY-HARRIS POP CL-3	50
LAREDO				
SITE 01	2420 SAN BERANRDO TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-WEBB POP CL-6	4
LUBBOCK				
SITE 01	SIXTH AND K TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-LUBBOCK POP CL-5	16
MCALLEN				
SITE 01	1920 BEECH AVENUE TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	IR COUNTY-HIDALGO POP CL-7	30
MATAGORDA COUNTY				
SITE 01	COLORADO RIVER LOCKS MATAGORDA COUNTY HEALTH DEPARTMENT	TYPE-	N COLORADO RIVER LOCKS GULF CST	4
ODESSA				
SITE 01	SEVENTH AND N DIXIE STREETS TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	IRC COUNTY-ECTOR POP CL-6	12
ORANGE				
SITE 01	SEVENTH STREET AT ELM TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-ORANGE POP CL-7	25
PASADENA				
SITE 01	ROOF OF CITY HALL, 1211 E. SOUTHMORE HEALTH DEPARTMENT OF PASADENA	TYPE-	C COUNTY-HARRIS POP CL-6	15
PORT ARTHUR				
SITE 01	MEMORIAL BOULEVARD AND 32ND STREET TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	R COUNTY-JEFFERSON POP CL-6	20
SAN ANTONIO				
SITE 01	CORPORATION COURT, 302 S LAREDO SAN ANTONIO METROPOLITAN HEALTH DISTRICT	TYPE-	C COUNTY-BEXAR POP CL-4	15
TEXARKANA				
SITE 01	NEW BOSTON ROAD TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	IC COUNTY-BOWIE POP CL-7	2
TEXAS CITY				
SITE 01	CITY HALL TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	IRC COUNTY-GALVESTON POP CL-7	23
TYLER				
SITE 01	CITY HALL TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-SMITH POP CL-6	24
WACO				
SITE 01	CITY HALL TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	C COUNTY-MC LENNAN POP CL-6	60
WICHITA FALLS				
SITE 01	602 BROAD STREET TEXAS STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-WICHITA POP CL-6	15

UTAH

OGDEN

SITE 01 — 2570 GRANT AVENUE
WEBER COUNTY HEALTH DEPARTMENT
TYPE- RC COUNTY-WEBER
POP CL-6 15

SALT LAKE CITY

SITE 01 — HEALTH DEPT BLDG, 610 SOUTH 2ND EAST
STATE DEPARTMENT OF HEALTH
TYPE- IRC COUNTY-SALT LAKE
POP CL-5 30

VERMONT

BURLINGTON

SITE 01 — STATE HLTH BLDG, 115 COLCHESTER AVENUE
STATE DEPARTMENT OF HEALTH
TYPE- IRC COUNTY-CHITTENDEN
POP CL-7 26

ORANGE COUNTY

SITE 01 — VERMONT AGR AND TECH INST RANDOLPH CENTER
STATE DEPARTMENT OF HEALTH
TYPE- N VERMONT AGR AND TECH INS
MOUNTAIN 35

VIRGINIA

DANVILLE

SITE 01 — 427 PATTON STREET
CITY HEALTH DEPARTMENT
TYPE- I COUNTY-PITTSLYVANIA
POP CL-7 60

HAMPTON

SITE 01 — VA ELEC POWR CO OFF BLD, PEMBROKE + G ST
CITY HEALTH DEPARTMENT
TYPE- IRC COUNTY-DINWIDDIE
POP CL-6 33

LYNCHBURG

SITE 01 — CITY HALL, 917 CHURCH STREET
CITY WATER DEPARTMENT
TYPE- C COUNTY-CAMPBELL
POP CL-6 20

NORFOLK

SITE 01 — CITY SOCIAL SERV BLDG, 635 E PLUME ST
CITY HEALTH DEPARTMENT
TYPE- C COUNTY-NORFOLK
POP CL-5 5

SHENANDOAH NATIONAL PK

SITE 01 — PARK ADMINISTRATION BUILDING
NATIONAL PARK SERVICE
TYPE- N PARK ADMINISTRATION BLDG
FOREST 100

PORTSMOUTH

SITE 01 — ROOF OF CITY HLTH BLDG, 301 S GREEN ST
PORTSMOUTH CITY HEALTH DEPARTMENT
TYPE- C COUNTY-ISLE OF WIGHT
POP CL-5 16

RICHMOND

SITE 01 — MOSQUE BLDG, LAUREL AND MAIN STREETS
CITY DIV OF AIR POLLUTION CONTROL, CITY DEPT OF PUBLIC SAFETY
TYPE- RC COUNTY-HENRICO
POP CL-5 85

ROANOKE

SITE 01 — HEALTH CENTER, 518 8TH STREET, SW
CITY DEPARTMENT OF AIR POLLUTION CONTROL
TYPE- IC COUNTY-ROANOKE
POP CL-6 30

WASHINGTON

AUBURN

SITE 01 — 100 30TH NORTHEAST
PUGET SOUND AIR POLLUTION CONTROL AGENCY
TYPE- IC COUNTY-KING
POP CL-8 10

BELLEVUE

SITE 01 — 14822 BELLEVUE-REDMOND ROAD
PUGET SOUND AIR POLLUTION CONTROL AGENCY
TYPE- CS COUNTY-KING
POP CL-8 20

EVERETT

SITE 02 — CITY HALL, WALL AND WETMORE
SNOHOMISH COUNTY HEALTH DEPARTMENT
TYPE- C COUNTY-SNOHOMISH
POP CL-7 46

KING COUNTY

SITE 01 — TOLT RIVER WATERSHED
PUGET SOUND AIR POLLUTION CONTROL AGENCY
TYPE- N TOLT RIVER WATERSHED
WEST CST 14

RENTON

SITE 01 — 12015 SOUTHEAST 12RTH
PUGET SOUND AIR POLLUTION CONTROL AGENCY
TYPE- CS COUNTY-KING
POP CL-8 12

SEATTLE

SITE 01 — PUBLIC SAFETY BUILDING 604-THIRD AVENUE
PUGET SOUND AIR POLLUTION CONTROL AGENCY
TYPE- C COUNTY-KING
POP CL-4 80

SITE 02 — 1510 SMITH TOWER, 2ND AVENUE + VESLER
WASHINGTON STATE HEALTH DEPARTMENT
TYPE- C COUNTY-KING
POP CL-4 229

SITE 03 — 1ST AVENUE SOUTH BRIDGE
WASHINGTON STATE HEALTH DEPARTMENT
TYPE- I COUNTY-KING
POP CL-4 45

SITE 05	3224-4TH AVENUE SOUTH PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	I COUNTY-KING POP CL-4	14
SITE 06	5960 RAINIER AVENUE, SOUTH PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	R COUNTY-KING POP CL-4	12
SITE 07	WEST COMMODORE WAY PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	IC COUNTY-KING POP CL-4	12
SITE 08	16101 GREENWOOD AVENUE, NORTH PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	R COUNTY-KING POP CL-4	10
SITE 09	SEATTLE CENTER 305 HARRISON STREET PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	RC COUNTY-KING POP CL-4	75
TACOMA				
SITE 01	901 TACOMA AVENUE SOUTH PUGET SOUND AIR POLLUTION CONTROL AGENCY	TYPE-	C COUNTY-PIERCE POP CL-5	35
VANCOUVER				
SITE 01	COURT HOUSE CLARK COUNTY AIR POLLUTION CONTROL AUTHORITY	TYPE-	C COUNTY-CLARK POP CL-7	55
WEST VIRGINIA				
CHARLESTON				
SITE 01	STATE PARKING BUILDING 212 CALIFORNIA STATE DEPARTMENT OF HEALTH	TYPE-	RC COUNTY-KANAWHA POP CL-6	80
WISCONSIN				
DOOR COUNTY				
SITE 01	GOLF C EQPMNT BLDG, PENINSULA STATE PARK STATE CONSERVATION DEPARTMENT	TYPE-	N PENINSULA STATE PARK GT.LAKES	0
EAU CLAIRE				
SITE 01	314 EAST GRAND AVE EAU CLAIRE WISCONSIN STATE BOARD OF HEALTH	TYPE-	C COUNTY-EAU CLAIRE POP CL-7	62
KENOSHA				
SITE 01	625-52ND STREET- VOCATIONAL SCHOOL CITY HEALTH DEPARTMENT	TYPE-	IRC COUNTY-KENOSHA POP CL-6	38
MADISON				
SITE 01	CITY-COUNTY BUILDING, 202 MONONA AVENUE CITY DEPARTMENT OF PUBLIC HEALTH	TYPE-	IC COUNTY-DANE POP CL-5	15
MILWAUKEE				
SITE 01	PUBLIC LIBRARY, N WELLS AND N 9TH STS MILWAUKEE COUNTY DEPARTMENT OF AIR POLLUTION CONTROL	TYPE-	IC COUNTY-MILWAUKEE POP CL-3	60
RACINE				
SITE 01	RACINE POLICE DEPT THIRD AND LAKE AVE WISCONSIN STATE BOARD OF HEALTH	TYPE-	C COUNTY-RACINE POP CL-6	25
SUPERIOR				
SITE 01	DOUGLAS CO COURT HOUSE, 1313 BELKNAP ST WISCONSIN STATE BOARD OF HEALTH	TYPE-	C COUNTY-DOUGLAS POP CL-7	39
WYOMING				
CASPER				
SITE 01	CITY COUNTY BLDG, CENTER + C STREETS CASPER:NATRONA COUNTY HEALTH DEPARTMENT	TYPE-	C COUNTY-NATRONA POP CL-7	75
CHEYENNE				
SITE 01	STATE OFFICE BLDG, 23RD AND CENTRAL AVE STATE DEPARTMENT OF PUBLIC HEALTH	TYPE-	C COUNTY-LARAMIE POP CL-7	53
YELLOWSTONE PARK				
SITE 01	CHLORINE HOUSE, MAMMOTH AREA OF PARK NATIONAL PARK SERVICE	TYPE-	N MAMMOTH AREA OF PARK MOUNTAIN	6