

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>AKRON, OH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.1	3.1	5.3	3.3	3.4	3.2	2.6	2.5	2.4	2.7
SO2	2nd Daily max	10 ns	1	0.064	0.056	0.042	0.046	0.042	0.072	0.044	0.065	0.044	0.044
	Annual Mean	10 down	1	0.013	0.015	0.012	0.009	0.01	0.012	0.01	0.011	0.009	0.01
Ozone	2nd Highest Daily Max	10 ns	1	0.104	0.11	0.101	0.119	0.103	0.109	0.114	0.112	0.106	0.117
	4th Highest Daily max 8-h	10 ns	1	0.086	0.095	0.085	0.092	0.091	0.09	0.097	0.095	0.084	0.098
PM10	90th Percentile	10 ns	1	47	49	51	48	35	39	43	40	36	40
	Weighted Annual Mean	10 down	1	27.1	25	27.6	26.1	24.7	23.8	24	22.6	22.2	22.9
<b>ALBANY-SCHENECTADY-TROY, NY</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.7	3.8	5.2	4.3	3.7	4.5	4.4	4.2	2.9	2.4
SO2	2nd Daily max	10 down	1	0.028	0.028	0.037	0.023	0.025	0.02	0.016	0.016	0.02	0.024
	Annual Mean	10 ns	1	0.006	0.006	0.007	0.003	0.004	0.003	0.004	0.003	0.004	0.005
Ozone	2nd Highest Daily Max	10 ns	2	0.1	0.102	0.103	0.101	0.095	0.094	0.095	0.106	0.08	0.104
	4th Highest Daily max 8-h	10 ns	2	0.086	0.083	0.078	0.08	0.077	0.077	0.074	0.082	0.066	0.086
<b>ALBUQUERQUE, NM</b>													
CO	2nd max (daily, non-overlap)	10 down	2	6	6.2	5	4.35	4.3	4.05	3.85	4.05	3.45	3.25
NO2	Annual Mean	10 down	1	0.021	0.024	0.023	0.018	0.022	0.019	0.016	0.016	0.017	0.017
Ozone	2nd Highest Daily Max	10 ns	2	0.085	0.086	0.078	0.082	0.089	0.088	0.089	0.091	0.088	0.085
	4th Highest Daily max 8-h	10 ns	2	0.062	0.065	0.063	0.061	0.071	0.071	0.07	0.071	0.07	0.07
PM10	90th Percentile	10 ns	1	34	43	29	32	28	26	28	30	32	32
	Weighted Annual Mean	10 ns	1	23.5	26.1	19.8	21.5	19.3	18.6	19.067	19.533	20	21.5
<b>ALLENTOWN-BETHLEHEM-EASTON, PA</b>													
Pb	Maximum Quarterly Value	10 down	1	0.283	0.181	0.131	0.074	0.083	0.093	0.12	0.071	0.111	0.071
CO	2nd max (daily, non-overlap)	10 ns	1	3.9	3.5	4.7	4.8	3.2	2.7	2.9	3.2	2.6	3.3
SO2	2nd Daily max	10 ns	1	0.029	0.034	0.053	0.028	0.035	0.03	0.03	0.03	0.027	0.028
	Annual Mean	10 ns	1	0.006	0.007	0.008	0.006	0.006	0.008	0.008	0.006	0.007	0.007
NO2	Annual Mean	10 down	1	0.018	0.02	0.021	0.018	0.018	0.016	0.016	0.015	0.013	0.017
Ozone	2nd Highest Daily Max	10 up	1	0.095	0.104	0.105	0.109	0.114	0.116	0.106	0.125	0.112	0.126
	4th Highest Daily max 8-h	10 up	1	0.078	0.082	0.084	0.091	0.094	0.101	0.095	0.105	0.091	0.094
<b>ALTOONA, PA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	2.8	2	2.4	1.7	1.9	1.5	1.2	1.6	1	1.1
SO2	2nd Daily max	10 ns	1	0.046	0.052	0.058	0.037	0.033	0.046	0.032	0.03	0.045	0.042
	Annual Mean	10 ns	1	0.009	0.009	0.01	0.008	0.008	0.01	0.008	0.007	0.006	0.009
NO2	Annual Mean	10 ns	1	0.014	0.015	0.015	0.013	0.013	0.014	0.013	0.013	0.014	0.014
Ozone	2nd Highest Daily Max	10 ns	1	0.095	0.1	0.106	0.112	0.101	0.114	0.114	0.111	0.104	0.107
	4th Highest Daily max 8-h	10 ns	1	0.079	0.086	0.092	0.091	0.083	0.096	0.098	0.091	0.08	0.083
<b>ANN ARBOR, MI</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.09	0.09	0.094	0.11	0.104	0.089	0.097	0.09	0.094	0.103
	4th Highest Daily max 8-h	10 ns	1	0.074	0.074	0.084	0.089	0.085	0.076	0.086	0.083	0.082	0.086
<b>ASHEVILLE, NC</b>													
Ozone	2nd Highest Daily Max	10 up	1	0.083	0.079	0.084	0.085	0.084	0.09	0.114	0.099	0.107	0.091
	4th Highest Daily max 8-h	10 up	1	0.064	0.066	0.069	0.076	0.074	0.075	0.09	0.084	0.09	0.076
PM10	90th Percentile	10 ns	1	40	43	30	28	29	38	36	36	33	26
	Weighted Annual Mean	10 down	1	22.8	22.3	19	18.4	18.8	20.7	20.1	20.5	18.3	17.5
<b>ATLANTA, GA</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.027	0.02	0.02	0.027	0.02	0.017	0.013	0.053	0.04	0.05
CO	2nd max (daily, non-overlap)	10 down	1	5.1	4.9	5.3	4.5	3.7	4.3	4.1	4.1	3.2	4.1
SO2	2nd Daily max	10 down	2	0.028	0.036	0.023	0.018	0.018	0.023	0.017	0.018	0.017	0.017
	Annual Mean	10 down	2	0.006	0.006	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003
NO2	Annual Mean	10 ns	2	0.016	0.015	0.014	0.013	0.016	0.016	0.016	0.016	0.015	0.016
Ozone	2nd Highest Daily Max	10 ns	1	0.129	0.13	0.122	0.146	0.123	0.139	0.134	0.155	0.132	0.125
	4th Highest Daily max 8-h	10 ns	1	0.097	0.108	0.098	0.111	0.098	0.11	0.113	0.123	0.099	0.091

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>ATLANTIC-CAPE MAY, NJ</b>													
SO2	2nd Daily max	10 down	1	0.016	0.014	0.019	0.011	0.014	0.011	0.01	0.009	0.013	0.01
	Annual Mean	10 down	1	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Ozone	2nd Highest Daily Max	10 ns	1	0.119	0.115	0.099	0.116	0.108	0.131	0.118	0.118	0.108	0.105
	4th Highest Daily max 8-h	10 ns	1	0.094	0.093	0.083	0.1	0.095	0.106	0.091	0.095	0.085	0.095
<b>AUGUSTA-AIKEN, GA-SC</b>													
Pb	Maximum Quarterly Value	10 down	1	0.011	0.012	0.011	0.006	0.004	0.009	0.02	0.003	0.006	0.004
NO2	Annual Mean	10 ns	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004
Ozone	2nd Highest Daily Max	10 up	2	0.094	0.101	0.096	0.104	0.102	0.111	0.115	0.108	0.113	0.103
	4th Highest Daily max 8-h	10 ns	2	0.075	0.083	0.083	0.08	0.087	0.086	0.099	0.087	0.092	0.082
PM10	90th Percentile	10 ns	1	32	35	35	29	29	31	38	35	30	27
	Weighted Annual Mean	10 ns	1	21.9	22.1	21.3	18.7	18.7	21.4	22.4	21.1	20.5	16.7
<b>AUSTIN-SAN MARCOS, TX</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.099	0.091	0.102	0.105	0.098	0.089	0.115	0.102	0.107	0.091
	4th Highest Daily max 8-h	10 ns	1	0.081	0.08	0.085	0.089	0.08	0.075	0.088	0.087	0.088	0.078
<b>BAKERSFIELD, CA</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	4.2	4.2	4.2	4.9	5.6	3.2	3.4	4.1	4.8	3.4
NO2	Annual Mean	10 ns	2	0.014	0.013	0.013	0.01	0.01	0.009	0.009	0.011	0.011	0.011
Ozone	2nd Highest Daily Max	10 ns	3	0.132	0.142	0.142	0.145	0.15	0.129	0.14	0.126	0.133	0.126
	4th Highest Daily max 8-h	10 ns	3	0.1	0.109	0.109	0.115	0.118	0.102	0.114	0.104	0.106	0.104
PM10	90th Percentile	10 ns	1	74	74	74	99	67	63	64	98	71	98
	Weighted Annual Mean	10 ns	1	43.6	43.6	43.6	46.9	42.8	41.9	37.5	47.4	45.2	47.7
<b>BALTIMORE, MD</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.9	4.9	5.7	4.2	3.9	4.8	3.3	4.6	3.4	3.3
SO2	2nd Daily max	10 ns	1	0.026	0.024	0.029	0.022	0.028	0.025	0.021	0.02	0.024	0.026
	Annual Mean	10 down	1	0.008	0.007	0.008	0.006	0.008	0.007	0.007	0.006	0.006	0.006
NO2	Annual Mean	10 down	1	0.031	0.033	0.032	0.026	0.027	0.026	0.026	0.024	0.024	0.023
Ozone	2nd Highest Daily Max	10 ns	2	0.125	0.134	0.14	0.147	0.127	0.144	0.126	0.142	0.116	0.139
	4th Highest Daily max 8-h	10 ns	2	0.094	0.11	0.101	0.107	0.094	0.114	0.1	0.107	0.096	0.106
PM10	90th Percentile	10 ns	3	49.667	53.667	53	52	47.556	50.444	53	46	52	47.333
	Weighted Annual Mean	10 down	3	31.967	31.567	32.067	32.2	30.444	30.089	30.3	29.033	30.533	30.033
<b>BANGOR, ME</b>													
PM10	90th Percentile	10 ns	1	32	34	35	32	27	33	34	24	31	32
	Weighted Annual Mean	10 down	1	21.9	22.2	21.9	20	18.8	21.1	17.5	16.7	17.3	16
<b>BATON ROUGE, LA</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.029	0.023	0.029	0.039	0.032	0.045	0.05	0.024	0.024	0.024
CO	2nd max (daily, non-overlap)	10 ns	1	9	9	4.6	3.4	4.7	5.4	3.9	4.5	3.6	4.8
SO2	2nd Daily max	10 ns	2	0.029	0.023	0.021	0.026	0.022	0.023	0.027	0.022	0.023	0.021
	Annual Mean	10 down	2	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005
NO2	Annual Mean	10 ns	2	0.017	0.015	0.017	0.017	0.018	0.017	0.017	0.017	0.017	0.017
Ozone	2nd Highest Daily Max	10 ns	3	0.121	0.117	0.121	0.12	0.118	0.122	0.123	0.117	0.127	0.106
	4th Highest Daily max 8-h	10 ns	3	0.086	0.084	0.084	0.091	0.089	0.09	0.087	0.087	0.093	0.08
PM10	90th Percentile	10 up	1	34	29	40	40	40	45	48.5	52	52	55
	Weighted Annual Mean	10 up	1	23.5	18.2	26.8	25.9	26.4	27	30.35	33.7	31.8	32.6
<b>BEAUMONT-PORT ARTHUR, TX</b>													
SO2	2nd Daily max	10 ns	1	0.045	0.059	0.05	0.031	0.044	0.038	0.028	0.023	0.046	0.039
	Annual Mean	10 down	1	0.006	0.008	0.007	0.006	0.006	0.006	0.004	0.003	0.005	0.005
NO2	Annual Mean	10 ns	1	0.009	0.01	0.012	0.01	0.008	0.01	0.008	0.011	0.008	0.011
Ozone	2nd Highest Daily Max	10 down	1	0.136	0.122	0.121	0.134	0.117	0.133	0.129	0.102	0.121	0.097
	4th Highest Daily max 8-h	10 ns	1	0.095	0.095	0.089	0.1	0.084	0.093	0.096	0.075	0.089	0.078

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>BELLINGHAM, WA</b>													
SO2	2nd Daily max	10 ns	1	0.022	0.017	0.019	0.018	0.013	0.012	0.015	0.016	0.016	0.016
	Annual Mean	10 ns	1	0.007	0.006	0.007	0.006	0.005	0.005	0.005	0.007	0.007	0.007
Ozone	2nd Highest Daily Max	10 down	1	0.069	0.08	0.082	0.079	0.078	0.07	0.07	0.062	0.063	0.061
	4th Highest Daily max 8-h	10 down	1	0.056	0.058	0.059	0.054	0.062	0.052	0.056	0.05	0.052	0.05
<b>BENTON HARBOR, MI</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.079	0.093	0.116	0.115	0.125	0.118	0.136	0.107	0.107	0.117
	4th Highest Daily max 8-h	10 ns	1	0.064	0.079	0.086	0.098	0.098	0.099	0.093	0.096	0.077	0.088
<b>BERGEN-PASSAIC, NJ</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.4	4.5	5.3	5	3.6	3.65	3.7	3.8	3.4	2.6
SO2	2nd Daily max	10 down	1	0.032	0.023	0.028	0.023	0.018	0.018	0.018	0.02	0.02	0.018
	Annual Mean	10 down	1	0.008	0.007	0.006	0.005	0.005	0.004	0.004	0.005	0.005	0.005
PM10	90th Percentile	10 ns	1	59	59	71	53	58	58.5	59	53	61	63
	Weighted Annual Mean	10 ns	1	39.4	36.5	40.9	34.6	37.4	38.25	39.1	34.3	36.5	36.3
<b>BILLINGS, MT</b>													
SO2	2nd Daily max	10 down	2	0.081	0.099	0.073	0.066	0.048	0.033	0.024	0.02	0.02	0.022
	Annual Mean	10 down	2	0.022	0.023	0.017	0.013	0.008	0.006	0.006	0.005	0.005	0.005
<b>BILOXI-GULFPORT-PASCAGOULA, MS</b>													
SO2	2nd Daily max	10 down	1	0.022	0.022	0.014	0.011	0.017	0.016	0.015	0.016	0.01	0.013
	Annual Mean	10 down	1	0.006	0.006	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.003
Ozone	2nd Highest Daily Max	10 ns	2	0.1	0.094	0.105	0.104	0.103	0.103	0.113	0.107	0.121	0.097
	4th Highest Daily max 8-h	10 ns	2	0.079	0.076	0.085	0.085	0.079	0.087	0.093	0.09	0.09	0.083
PM10	90th Percentile	10 ns	1	31	31	32	26	28	40	36	28	29	26
	Weighted Annual Mean	10 ns	1	20.4	20.4	20.9	18.7	17.7	21.4	20.3	14.7	16.2	17.7
<b>BIRMINGHAM, AL</b>													
CO	2nd max (daily, non-overlap)	10 down	1	7.4	7.1	6.9	6.4	4.9	5.9	4.4	4.4	3.5	6.3
SO2	2nd Daily max	10 ns	1	0.027	0.05	0.037	0.016	0.015	0.018	0.032	0.026	0.057	0.019
	Annual Mean	10 ns	1	0.007	0.009	0.007	0.006	0.004	0.006	0.007	0.007	0.012	0.004
Ozone	2nd Highest Daily Max	10 ns	4	0.106	0.113	0.103	0.126	0.131	0.106	0.126	0.125	0.119	0.109
	4th Highest Daily max 8-h	10 ns	4	0.083	0.086	0.082	0.1	0.094	0.083	0.1	0.093	0.093	0.084
<b>BOISE CITY, ID</b>													
PM10	90th Percentile	10 down	1	78	78	78	73	64	56	50	66	54	57
	Weighted Annual Mean	10 down	1	40.6	40.6	40.6	39.5	35.7	34.6	26.9	36.1	29.8	31.3
<b>BOSTON, MA-NH</b>													
CO	2nd max (daily, non-overlap)	10 down	2	4.55	3.6	4.3	3.55	3.25	3.3	2.9	3.9	2.35	2.45
SO2	2nd Daily max	10 down	3	0.038	0.035	0.035	0.025	0.023	0.032	0.028	0.024	0.025	0.019
	Annual Mean	10 down	3	0.01	0.01	0.009	0.007	0.007	0.008	0.008	0.007	0.005	0.005
NO2	Annual Mean	10 down	4	0.025	0.026	0.027	0.024	0.024	0.024	0.024	0.023	0.02	0.021
Ozone	2nd Highest Daily Max	10 ns	1	0.102	0.102	0.121	0.119	0.105	0.105	0.113	0.115	0.085	0.122
	4th Highest Daily max 8-h	10 ns	1	0.078	0.078	0.09	0.094	0.083	0.091	0.1	0.088	0.07	0.1
PM10	90th Percentile	10 ns	1	40	44	45	41	33	37	42	43	36	45
	Weighted Annual Mean	10 ns	1	27.1	30.2	28.2	26.2	24.4	24.7	26.4	29.6	24.5	26.9
<b>BOULDER-LONGMONT, CO</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.6	6.4	6.2	4.7	5.5	5.4	4.7	3.7	3.1	3.5
Ozone	2nd Highest Daily Max	10 ns	1	0.092	0.092	0.092	0.09	0.087	0.092	0.111	0.099	0.09	0.088
	4th Highest Daily max 8-h	10 ns	1	0.072	0.072	0.072	0.074	0.075	0.072	0.089	0.075	0.072	0.071
<b>BREMERTON, WA</b>													
PM10	90th Percentile	10 down	1	41	47	36	33	24	30	21	23	23	23
	Weighted Annual Mean	10 down	1	22.6	23.4	19.7	20.6	16.9	17.3	12.9	15	15	15

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>BRIDGEPORT, CT</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.7	3.7	5.8	4.9	3	4	2.8	3.2	2.4	2.7
SO2	2nd Daily max	10 ns	1	0.04	0.035	0.049	0.028	0.023	0.031	0.024	0.023	0.024	0.029
	Annual Mean	10 down	1	0.011	0.01	0.01	0.007	0.006	0.007	0.007	0.006	0.006	0.007
Ozone	2nd Highest Daily Max	10 ns	1	0.131	0.165	0.174	0.14	0.123	0.135	0.134	0.14	0.122	0.144
	4th Highest Daily max 8-h	10 ns	1	0.097	0.111	0.093	0.115	0.096	0.103	0.097	0.096	0.09	0.102
PM10	90th Percentile	10 ns	1	38	43	46	37	32	34	33	30	37	36
	Weighted Annual Mean	10 down	1	22.4	20.8	25.7	21.8	20.6	21.4	20.8	19.4	20.4	19.3
<b>BROWNSVILLE-HARLINGEN-SAN BENITO, TX</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3.8	3.8	3.8	2.6	2.2	3.2	3.2	2.6	1.6	1.5
Ozone	2nd Highest Daily Max	10 ns	1	0.034	0.034	0.085	0.084	0.077	0.08	0.081	0.075	0.08	0.074
	4th Highest Daily max 8-h	10 down	1	0.072	0.072	0.072	0.069	0.065	0.065	0.069	0.066	0.064	0.063
PM10	90th Percentile	10 ns	1	36	45	36	35	28	36	45	32	47	31
	Weighted Annual Mean	10 ns	1	23.7	22.4	22.5	21.4	18.9	20.6	24.6	21.5	25.4	19.3
<b>BUFFALO-NIAGARA FALLS, NY</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.1	4.4	4.2	3.1	3.7	3.3	3.1	2.2	2	1.9
SO2	2nd Daily max	10 ns	2	0.051	0.04	0.043	0.039	0.033	0.057	0.034	0.037	0.038	0.037
	Annual Mean	10 ns	2	0.01	0.01	0.011	0.008	0.008	0.009	0.008	0.008	0.008	0.008
NO2	Annual Mean	10 ns	2	0.018	0.017	0.019	0.019	0.019	0.018	0.018	0.019	0.018	0.018
Ozone	2nd Highest Daily Max	10 ns	1	0.103	0.088	0.088	0.099	0.091	0.088	0.11	0.102	0.105	0.116
	4th Highest Daily max 8-h	10 up	1	0.076	0.072	0.079	0.082	0.074	0.073	0.094	0.09	0.085	0.102
<b>BURLINGTON, VT</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3.9	3.9	3.9	2.5	3.3	2	2.4	2.2	2.2	2.2
SO2	2nd Daily max	10 ns	1	0.013	0.011	0.013	0.006	0.014	0.012	0.008	0.008	0.008	0.008
	Annual Mean	10 down	1	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 ns	1	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.017	0.017	0.017
PM10	90th Percentile	10 down	1	39	37	34	36	29	31	31	26	26	26
	Weighted Annual Mean	10 down	1	22.9	20.9	21.3	20.6	20.8	20.2	21.3	16.8	16.8	16.8
<b>CANTON-MASSILLON, OH</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	3.2	3.2	5.2	3	2.5	2.5	3.5	2.3	2.6	2.6
SO2	2nd Daily max	10 down	1	0.04	0.046	0.052	0.033	0.032	0.025	0.029	0.028	0.028	0.025
	Annual Mean	10 ns	1	0.01	0.01	0.009	0.006	0.006	0.007	0.007	0.007	0.008	0.007
Ozone	2nd Highest Daily Max	10 ns	2	0.092	0.104	0.098	0.111	0.096	0.096	0.114	0.105	0.099	0.105
	4th Highest Daily max 8-h	10 ns	2	0.079	0.09	0.084	0.093	0.085	0.083	0.096	0.09	0.084	0.089
PM10	90th Percentile	10 ns	2	38	41.5	48	50	37	40	44.5	34.5	38.5	33
	Weighted Annual Mean	10 down	2	25.75	25.3	28.35	28	25	24	24.6	22.9	23	21.45
<b>CASPER, WY</b>													
PM10	90th Percentile	10 ns	1	38	27	34	32	33	29	31	29	30	31
	Weighted Annual Mean	10 ns	1	21.3	17.7	17.3	19.4	19.1	15.7	17.2	19.7	17	18.7
<b>CEDAR RAPIDS, IA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.9	3.2	4.2	2.6	7.8	2.4	2.5	2	1.8	1.9
SO2	2nd Daily max	10 down	2	0.024	0.017	0.016	0.013	0.011	0.012	0.01	0.016	0.008	0.015
	Annual Mean	10 ns	2	0.005	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.002	0.002
PM10	90th Percentile	10 ns	1	43	32	33	34	33	41	42	33	46	39
	Weighted Annual Mean	10 ns	1	26.7	20.7	21.5	21.4	20.9	25.7	25.8	22.8	31.1	26.3

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>CHAMPAIGN-URBANA, IL</b>													
SO2	2nd Daily max	10 ns	1	0.018	0.015	0.024	0.011	0.013	0.018	0.019	0.01	0.016	0.016
	Annual Mean	10 down	1	0.004	0.004	0.004	0.003	0.003	0.004	0.003	0.002	0.002	0.002
Ozone	2nd Highest Daily Max	10 ns	1	0.085	0.074	0.094	0.095	0.094	0.088	0.105	0.108	0.084	0.08
	4th Highest Daily max 8-h	10 ns	1	0.071	0.066	0.083	0.084	0.085	0.076	0.083	0.094	0.073	0.073
PM10	90th Percentile	10 down	1	47	41	44	45	31	35	39	35	35	35
	Weighted Annual Mean	10 ns	1	31.4	22	24.9	22.3	19.2	22.5	24.5	22.7	22.7	22.7
<b>CHARLESTON-NORTH CHARLESTON, SC</b>													
Pb	Maximum Quarterly Value	10 ns	2	0.014	0.012	0.015	0.01	0.016	0.011	0.021	0.01	0.02	0.008
CO	2nd max (daily, non-overlap)	10 down	1	5.2	5.8	4	6.4	4.7	3.9	2.9	4	2.7	3
SO2	2nd Daily max	10 down	1	0.036	0.025	0.038	0.02	0.021	0.022	0.013	0.011	0.013	0.011
	Annual Mean	10 down	1	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.003	0.003
NO2	Annual Mean	10 ns	1	0.012	0.012	0.011	0.011	0.01	0.011	0.01	0.01	0.011	0.011
Ozone	2nd Highest Daily Max	10 ns	1	0.092	0.109	0.097	0.087	0.099	0.09	0.106	0.099	0.093	0.085
	4th Highest Daily max 8-h	10 ns	1	0.069	0.076	0.074	0.066	0.076	0.072	0.083	0.081	0.08	0.071
PM10	90th Percentile	10 ns	1	38	42	40	30	33	33	46	32	38	33
	Weighted Annual Mean	10 ns	1	25	25	23.9	19.8	22.1	22.2	24.8	20.9	23.4	19.6
<b>CHARLESTON, WV</b>													
SO2	2nd Daily max	10 up	1	0.028	0.027	0.038	0.025	0.039	0.032	0.037	0.046	0.046	0.046
	Annual Mean	10 ns	1	0.009	0.008	0.011	0.008	0.01	0.01	0.011	0.01	0.01	0.01
Ozone	2nd Highest Daily Max	10 up	1	0.067	0.075	0.099	0.111	0.104	0.103	0.115	0.13	0.13	0.13
	4th Highest Daily max 8-h	10 up	1	0.055	0.063	0.075	0.091	0.078	0.075	0.091	0.104	0.104	0.104
PM10	90th Percentile	10 ns	1	44	52	49	40	41	32	35	37	44	41
	Weighted Annual Mean	10 ns	1	27.6	29.2	28.1	26	24	21.1	21.4	21.9	26.5	24.8
<b>CHARLOTTE-GASTONIA-ROCK HILL, NC-SC</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.079	0.016	0.032	0.013	0.01	0.007	0.021	0.018	0.042	0.008
CO	2nd max (daily, non-overlap)	10 down	1	6.3	5.8	5.8	4.7	4.4	6	5	4.3	4.7	4.3
Ozone	2nd Highest Daily Max	10 ns	1	0.104	0.123	0.114	0.118	0.13	0.114	0.135	0.13	0.104	0.116
	4th Highest Daily max 8-h	10 ns	1	0.085	0.095	0.087	0.096	0.099	0.094	0.104	0.104	0.087	0.086
PM10	90th Percentile	10 ns	2	48.5	41	44.5	43	45.5	42.5	51.5	45	48	39
	Weighted Annual Mean	10 ns	2	30.4	28.75	29.15	27.8	31	28.35	30.65	28.15	29.6	26.4
<b>CHARLOTTESVILLE, VA</b>													
PM10	90th Percentile	10 ns	1	35	40	33	41	35	36	33	32	43	32
	Weighted Annual Mean	10 ns	1	21.6	23.7	21.5	22.5	21.3	20.9	22.7	19.9	22.9	17.5
<b>CHATTANOOGA, TN-GA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.095	0.107	0.118	0.113	0.114	0.107	0.131	0.111	0.114	0.107
	4th Highest Daily max 8-h	10 ns	1	0.08	0.089	0.091	0.094	0.09	0.087	0.103	0.094	0.095	0.087
PM10	90th Percentile	10 down	2	51.5	51.5	50.5	49	52.5	45	45	42.5	45	41.5
	Weighted Annual Mean	10 down	2	34.45	31.75	32.7	32.05	32.3	27.2	27.95	27.8	29.45	27.8
<b>CHEYENNE, WY</b>													
PM10	90th Percentile	10 ns	1	25	24	28	26	25	20	22	23	24	26
	Weighted Annual Mean	10 ns	1	16.6	15.5	17.8	14.6	15.1	12.9	13.9	14.9	15.7	15.7
<b>CHICAGO, IL</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.119	0.098	0.099	0.078	0.087	0.083	0.095	0.063	0.146	0.055
CO	2nd max (daily, non-overlap)	10 down	3	4.967	5.133	6	4	3.933	3.933	4.1	3.833	3.233	2.967
SO2	2nd Daily max	10 ns	1	0.024	0.028	0.024	0.022	0.022	0.027	0.027	0.023	0.025	0.034
	Annual Mean	10 ns	1	0.006	0.006	0.006	0.004	0.005	0.006	0.006	0.006	0.005	0.005
NO2	Annual Mean	10 ns	2	0.027	0.028	0.03	0.03	0.03	0.03	0.029	0.029	0.03	0.03
Ozone	2nd Highest Daily Max	10 ns	4	0.097	0.084	0.094	0.111	0.099	0.102	0.093	0.102	0.081	0.09
	4th Highest Daily max 8-h	10 ns	4	0.071	0.068	0.075	0.085	0.075	0.08	0.077	0.087	0.065	0.072

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>CHICO-PARADISE, CA</b>													
Pb	Maximum Quarterly Value	10 down	1	0.01	0.01	0.008	0.005	0.005	0.006	0.006	0.004	0.005	0.005
CO	2nd max (daily, non-overlap)	10 ns	1	4.6	3.9	4.1	3.5	3.4	3.5	3.8	4	3.5	3.8
NO2	Annual Mean	10 down	1	0.016	0.016	0.015	0.014	0.013	0.013	0.013	0.015	0.012	0.011
Ozone	2nd Highest Daily Max	10 ns	1	0.09	0.09	0.097	0.091	0.096	0.074	0.103	0.11	0.091	0.094
	4th Highest Daily max 8-h	10 ns	1	0.077	0.076	0.082	0.076	0.074	0.066	0.078	0.087	0.078	0.08
PM10	90th Percentile	10 ns	1	78	60	55	52	40	40	37	50	56	47
	Weighted Annual Mean	10 ns	1	28	27.2	33.3	26.3	25	25.9	22.3	28.6	27.4	29.2
<b>CINCINNATI, OH-KY-IN</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.9	4.7	4.7	4	2.8	3.1	4.4	2.8	2.3	2.9
NO2	Annual Mean	10 ns	1	0.026	0.025	0.024	0.023	0.025	0.025	0.026	0.022	0.022	0.022
Ozone	2nd Highest Daily Max	10 ns	1	0.103	0.105	0.113	0.123	0.099	0.102	0.109	0.113	0.1	0.115
	4th Highest Daily max 8-h	10 ns	1	0.078	0.089	0.09	0.089	0.085	0.08	0.088	0.088	0.08	0.078
PM10	90th Percentile	10 ns	2	51	64.5	53.5	62.5	44.5	57	54.75	50	53	49.5
	Weighted Annual Mean	10 ns	2	31.15	32.75	31.6	34.6	30.7	32.55	31.025	30.05	31.45	28.45
<b>CLARKSVILLE-HOPKINSVILLE, TN-KY</b>													
SO2	2nd Daily max	10 down	1	0.036	0.058	0.037	0.019	0.023	0.026	0.02	0.016	0.018	0.017
	Annual Mean	10 down	1	0.009	0.01	0.007	0.006	0.006	0.005	0.006	0.005	0.006	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.103	0.103	0.103	0.102	0.1	0.099	0.111	0.115	0.099	0.096
	4th Highest Daily max 8-h	10 ns	1	0.082	0.082	0.092	0.086	0.079	0.082	0.086	0.092	0.081	0.082
<b>CLEVELAND-LORAIN-ELYRIA, OH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.9	4.6	7.7	8.2	4.9	4.5	3.9	3.9	3.2	3.5
SO2	2nd Daily max	10 down	3	0.049	0.05	0.057	0.028	0.036	0.031	0.031	0.027	0.026	0.028
	Annual Mean	10 down	3	0.012	0.011	0.011	0.008	0.009	0.008	0.008	0.007	0.006	0.006
NO2	Annual Mean	10 down	1	0.028	0.028	0.028	0.027	0.026	0.028	0.027	0.025	0.023	0.024
Ozone	2nd Highest Daily Max	10 ns	1	0.113	0.107	0.105	0.104	0.105	0.101	0.116	0.101	0.11	0.118
	4th Highest Daily max 8-h	10 ns	1	0.086	0.086	0.085	0.092	0.075	0.09	0.096	0.09	0.082	0.097
PM10	90th Percentile	10 down	2	83.5	93	81.5	83	64.5	67	68	67	71	66
	Weighted Annual Mean	10 down	2	43.3	42.05	50.65	48.9	41.35	40.65	44	41.75	41.45	39.4
<b>COLORADO SPRINGS, CO</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.015	0.013	0.014	0.01	0.004	0.004	0.012	0.009	0.011	0.009
SO2	2nd Daily max	10 down	1	0.014	0.011	0.01	0.01	0.008	0.007	0.007	0.008	0.006	0.006
	Annual Mean	10 down	1	0.003	0.003	0.004	0.003	0.002	0.002	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 ns	1	0.008	0.008	0.008	0.008	0.007	0.008	0.007	0.007	0.009	0.008
PM10	90th Percentile	10 down	2	32.5	35	34.5	35	30	26	29.5	26.5	28.5	29.5
	Weighted Annual Mean	10 down	2	20.55	21.15	20.75	19	18.5	16.8	18.05	17.75	17.3	18.9
<b>COLUMBIA, SC</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.014	0.013	0.01	0.01	0.003	0.005	0.008	0.006	0.067	0.019
SO2	2nd Daily max	10 ns	2	0.016	0.013	0.013	0.011	0.015	0.015	0.016	0.013	0.012	0.014
	Annual Mean	10 ns	2	0.003	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
NO2	Annual Mean	10 ns	1	0.013	0.013	0.011	0.013	0.013	0.011	0.014	0.014	0.014	0.014
Ozone	2nd Highest Daily Max	10 ns	2	0.1	0.118	0.101	0.103	0.093	0.107	0.115	0.115	0.115	0.106
	4th Highest Daily max 8-h	10 ns	2	0.077	0.092	0.083	0.08	0.077	0.084	0.097	0.094	0.097	0.087
PM10	90th Percentile	10 ns	1	54	59	43.5	28	30	31	40	35	32	28
	Weighted Annual Mean	10 ns	1	36.7	33.8	25.7	17.6	20.3	22.3	25.8	22.3	22.3	19.6
<b>COLUMBUS, GA-AL</b>													
Ozone	2nd Highest Daily Max	10 ns	2	0.095	0.096	0.101	0.106	0.094	0.096	0.111	0.109	0.11	0.089
	4th Highest Daily max 8-h	10 ns	2	0.079	0.078	0.076	0.085	0.082	0.081	0.09	0.093	0.091	0.076
PM10	90th Percentile	10 ns	1	43	37	44	46	33	39	45	40	44	39
	Weighted Annual Mean	10 ns	1	25.8	25.4	26.5	28.2	22.2	26.4	30.1	26.5	25.6	22.4

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>COLUMBUS, OH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.8	5.3	4.1	4.9	2.7	2.9	3.7	2.5	2.8	2.6
SO2	2nd Daily max	10 ns	1	0.032	0.032	0.04	0.016	0.015	0.021	0.018	0.015	0.019	0.017
	Annual Mean	10 down	1	0.007	0.007	0.006	0.003	0.004	0.005	0.005	0.004	0.004	0.004
PM10	90th Percentile	10 ns	1	40	50	46	53	39	63	70	62	54	52
	Weighted Annual Mean	10 up	1	25.1	27.1	26.7	30.6	24.8	30.9	34.2	32.6	34.1	30.5
<b>CORPUS CHRISTI, TX</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.097	0.11	0.103	0.109	0.099	0.094	0.102	0.103	0.099	0.092
	4th Highest Daily max 8-h	10 ns	1	0.078	0.08	0.079	0.089	0.083	0.077	0.082	0.084	0.083	0.077
PM10	90th Percentile	10 ns	1	41	57	48	47	37	50	57	62	54	41
	Weighted Annual Mean	10 ns	1	29.9	30.6	31.3	31.1	25.1	30.5	34.5	34.9	35.7	27.2
<b>DALLAS, TX</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.193	0.091	0.076	0.191	0.111	0.039	0.096	0.061	0.132	1.753
PM10	90th Percentile	10 ns	1	37	46	49	51	49	45	46	46	42	51
	Weighted Annual Mean	10 up	1	26.5	27.8	28.8	30.9	29.6	28.1	29.2	30.7	29.2	32.6
<b>DANBURY, CT</b>													
SO2	2nd Daily max	10 ns	1	0.027	0.024	0.037	0.02	0.02	0.024	0.02	0.024	0.017	0.022
	Annual Mean	10 down	1	0.007	0.006	0.006	0.004	0.005	0.005	0.004	0.004	0.004	0.004
Ozone	2nd Highest Daily Max	10 ns	1	0.121	0.14	0.125	0.134	0.11	0.138	0.115	0.151	0.124	0.133
	4th Highest Daily max 8-h	10 ns	1	0.082	0.096	0.093	0.093	0.081	0.105	0.092	0.106	0.09	0.096
<b>DAVENPORT-MOLINE-ROCK ISLAND, IA-IL</b>													
SO2	2nd Daily max	10 down	1	0.031	0.022	0.034	0.02	0.014	0.02	0.018	0.014	0.014	0.01
	Annual Mean	10 down	1	0.006	0.005	0.006	0.006	0.004	0.005	0.004	0.004	0.003	0.002
PM10	90th Percentile	10 down	1	94	79	92	108	89	90	68	80	70	63
	Weighted Annual Mean	10 down	1	51.3	46.5	59.9	66.8	50	49.3	37.9	43.5	40.2	36.2
<b>DAYTON-SPRINGFIELD, OH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.4	4	4.4	3.7	3	4	3.4	2.8	3.1	2.6
SO2	2nd Daily max	10 ns	2	0.02	0.032	0.032	0.016	0.027	0.027	0.019	0.018	0.017	0.02
	Annual Mean	10 down	2	0.005	0.006	0.006	0.004	0.005	0.005	0.005	0.005	0.004	0.004
Ozone	2nd Highest Daily Max	10 ns	2	0.096	0.104	0.113	0.12	0.113	0.112	0.119	0.111	0.103	0.096
	4th Highest Daily max 8-h	10 ns	2	0.081	0.083	0.089	0.092	0.097	0.09	0.098	0.092	0.087	0.083
PM10	90th Percentile	10 ns	1	42	50	44	48	38	40	45	45	44	42
	Weighted Annual Mean	10 ns	1	25	24.9	25.5	27.3	22.7	24.5	24.5	23.6	26.7	25.2
<b>DAYTONA BEACH, FL</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.082	0.094	0.081	0.075	0.085	0.084	0.092	0.086	0.088	0.085
	4th Highest Daily max 8-h	10 ns	1	0.071	0.071	0.072	0.067	0.065	0.071	0.078	0.074	0.074	0.07
<b>DECATUR, AL</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.08	0.091	0.092	0.098	0.096	0.09	0.102	0.103	0.098	0.085
	4th Highest Daily max 8-h	10 ns	1	0.069	0.08	0.077	0.083	0.086	0.076	0.085	0.092	0.083	0.071
<b>DECATUR, IL</b>													
SO2	2nd Daily max	10 ns	1	0.023	0.025	0.03	0.024	0.022	0.021	0.02	0.027	0.025	0.025
	Annual Mean	10 ns	1	0.005	0.006	0.007	0.005	0.005	0.006	0.005	0.006	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.086	0.077	0.095	0.097	0.1	0.087	0.094	0.102	0.092	0.078
	4th Highest Daily max 8-h	10 ns	1	0.078	0.065	0.079	0.08	0.094	0.077	0.078	0.087	0.077	0.071

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>DENVER, CO</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.117	0.108	0.067	0.054	0.05	0.03	0.106	0.078	0.149	0.103
CO	2nd max (daily, non-overlap)	10 down	1	13.3	10.4	8.2	9.5	7.3	5.5	4.7	5	5.4	4.1
SO2	2nd Daily max	10 ns	1	0.061	0.035	0.034	0.019	0.024	0.026	0.023	0.024	0.025	0.026
	Annual Mean	10 down	1	0.009	0.009	0.007	0.005	0.006	0.006	0.004	0.005	0.005	0.005
NO2	Annual Mean	10 ns	1	0.041	0.034	0.035	0.035	0.033	0.034	0.035	0.036	0.036	0.037
Ozone	2nd Highest Daily Max	10 ns	2	0.094	0.087	0.095	0.093	0.098	0.083	0.11	0.093	0.096	0.094
	4th Highest Daily max 8-h	10 up	2	0.068	0.067	0.07	0.068	0.071	0.066	0.085	0.072	0.074	0.075
PM10	90th Percentile	10 ns	2	48	69.5	57.5	49.5	49.5	52	49.5	52.75	59	62
	Weighted Annual Mean	10 ns	2	33.25	38.65	34.5	30.55	30.85	30.25	31.4	33.425	38.25	36.55
<b>DES MOINES, IA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.079	0.08	0.073	0.081	0.082	0.075	0.065	0.069	0.071	0.067
	4th Highest Daily max 8-h	10 ns	1	0.071	0.04	0.052	0.071	0.064	0.063	0.056	0.059	0.061	0.06
PM10	90th Percentile	10 ns	2	62.5	52	57.5	53	56	65	55.5	50.75	48	56.5
	Weighted Annual Mean	10 ns	2	31.85	31.7	32.8	30.1	32.8	34	30.3	28.15	28.35	32.95
<b>DETROIT, MI</b>													
CO	2nd max (daily, non-overlap)	10 down	2	4.25	4.65	6.1	5.4	3.55	3.45	2.85	2.95	2.95	3.05
SO2	2nd Daily max	10 ns	3	0.033	0.033	0.036	0.034	0.037	0.032	0.044	0.038	0.032	0.034
	Annual Mean	10 ns	3	0.007	0.007	0.007	0.006	0.007	0.006	0.008	0.007	0.005	0.005
NO2	Annual Mean	10 ns	1	0.021	0.022	0.025	0.022	0.02	0.026	0.023	0.024	0.024	0.023
Ozone	2nd Highest Daily Max	10 ns	5	0.097	0.106	0.123	0.112	0.099	0.109	0.111	0.11	0.091	0.112
	4th Highest Daily max 8-h	10 ns	5	0.077	0.078	0.087	0.085	0.086	0.084	0.089	0.09	0.075	0.088
PM10	90th Percentile	10 ns	1	49	63	79	68	51	53	68	60	66	70
	Weighted Annual Mean	10 ns	1	31.9	38.4	44.6	39.3	33.1	32.1	34.4	35.6	38.3	39.5
<b>DOTHAN, AL</b>													
PM10	90th Percentile	10 ns	1	43	52	47	46	36	45	41	43	48	37
	Weighted Annual Mean	10 ns	1	24.7	26.4	27.8	28.1	22.3	24.9	27.3	28.8	24.4	22.5
<b>DULUTH-SUPERIOR, MN-WI</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4	4.1	4.3	4.5	4.5	3.2	3.7	2.9	2.1	2.5
PM10	90th Percentile	10 ns	1	39	36	37	35	32	37	32	41	58	39
	Weighted Annual Mean	10 up	1	22.5	20.7	20.8	20.4	20.2	21	22.8	24.2	29.2	24.5
<b>DUTCHESS COUNTY, NY</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.112	0.139	0.117	0.115	0.109	0.111	0.108	0.12	0.105	0.109
	4th Highest Daily max 8-h	10 ns	1	0.092	0.099	0.087	0.093	0.089	0.089	0.089	0.093	0.079	0.091
<b>EL PASO, TX</b>													
Pb	Maximum Quarterly Value	10 down	1	0.255	0.229	0.14	0.192	0.153	0.108	0.144	0.145	0.099	0.099
CO	2nd max (daily, non-overlap)	10 down	2	8.2	7.65	6.3	6.15	6.85	6.05	6.5	4.4	5.5	5.15
SO2	2nd Daily max	10 down	1	0.054	0.046	0.031	0.054	0.046	0.03	0.023	0.013	0.005	0.008
	Annual Mean	10 down	1	0.013	0.009	0.008	0.01	0.009	0.008	0.005	0.002	0.002	0.001
NO2	Annual Mean	10 down	1	0.021	0.021	0.023	0.023	0.023	0.021	0.019	0.017	0.016	0.018
Ozone	2nd Highest Daily Max	10 down	2	0.125	0.117	0.12	0.114	0.12	0.112	0.109	0.098	0.118	0.111
	4th Highest Daily max 8-h	10 ns	2	0.076	0.072	0.076	0.078	0.077	0.068	0.08	0.068	0.082	0.077
PM10	90th Percentile	10 ns	1	70	61	74	76	72	60	49	73	71	71
	Weighted Annual Mean	10 ns	1	43.6	37.1	38.6	45.2	42.9	34.6	31.9	46.2	45.8	39.2
<b>ELKHART-GOSHEN, IN</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.092	0.09	0.095	0.102	0.115	0.108	0.106	0.085	0.083	0.066
	4th Highest Daily max 8-h	10 ns	1	0.078	0.078	0.083	0.09	0.091	0.089	0.082	0.077	0.063	0.055



**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>ELMIRA, NY</b>													
SO2	2nd Daily max	10 down	1	0.021	0.019	0.023	0.014	0.016	0.015	0.011	0.015	0.012	0.015
	Annual Mean	10 down	1	0.005	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004
Ozone	2nd Highest Daily Max	10 ns	1	0.085	0.09	0.084	0.088	0.088	0.081	0.094	0.092	0.089	0.094
	4th Highest Daily max 8-h	10 ns	1	0.066	0.08	0.074	0.076	0.072	0.073	0.082	0.082	0.073	0.082
<b>ERIE, PA</b>													
SO2	2nd Daily max	10 ns	1	0.056	0.072	0.076	0.05	0.066	0.035	0.068	0.043	0.041	0.043
	Annual Mean	10 ns	1	0.011	0.011	0.01	0.009	0.011	0.009	0.01	0.01	0.008	0.01
NO2	Annual Mean	10 ns	1	0.014	0.014	0.015	0.015	0.015	0.015	0.014	0.015	0.012	0.012
Ozone	2nd Highest Daily Max	10 ns	1	0.098	0.107	0.101	0.105	0.1	0.103	0.122	0.112	0.095	0.104
	4th Highest Daily max 8-h	10 ns	1	0.084	0.081	0.09	0.088	0.083	0.087	0.098	0.096	0.078	0.089
<b>EUGENE-SPRINGFIELD, OR</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
CO	2nd max (daily, non-overlap)	10 down	1	6.1	4.7	5.3	4.7	4.6	4.7	3.9	3.9	3.5	3.6
Ozone	2nd Highest Daily Max	10 ns	2	0.094	0.076	0.086	0.082	0.108	0.072	0.098	0.076	0.067	0.079
	4th Highest Daily max 8-h	10 ns	2	0.073	0.054	0.069	0.062	0.086	0.058	0.076	0.062	0.056	0.064
PM10	90th Percentile	10 down	4	57.75	63.5	48	46.25	37.5	39.75	33.75	36	35	35.5
	Weighted Annual Mean	10 down	4	28.375	28.25	24.225	22.55	19.35	20.6	17.575	17.95	18.125	18.4
<b>EVANSVILLE-HENDERSON, IN-KY</b>													
CO	2nd max (daily, non-overlap)	10 down	2	3.6	4.35	4.05	3.2	3.05	3.65	3.05	2.95	2.3	2.4
SO2	2nd Daily max	10 ns	1	0.046	0.05	0.046	0.03	0.041	0.036	0.031	0.056	0.034	0.036
	Annual Mean	10 down	1	0.01	0.011	0.01	0.007	0.008	0.008	0.009	0.007	0.006	0.005
NO2	Annual Mean	10 down	1	0.018	0.017	0.018	0.017	0.017	0.016	0.018	0.016	0.016	0.016
Ozone	2nd Highest Daily Max	10 ns	1	0.098	0.094	0.096	0.108	0.092	0.086	0.103	0.109	0.092	0.09
	4th Highest Daily max 8-h	10 ns	1	0.073	0.071	0.079	0.089	0.081	0.075	0.078	0.081	0.078	0.072
PM10	90th Percentile	10 ns	3	49.333	50	51	51.333	39.333	43	44.333	43.333	41.333	39.667
	Weighted Annual Mean	10 down	3	29.5	29.933	31.333	29.8	24.833	25.667	27.367	25.167	24.5	24.733
<b>FAYETTEVILLE, NC</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.092	0.115	0.098	0.1	0.099	0.098	0.112	0.12	0.101	0.108
	4th Highest Daily max 8-h	10 ns	1	0.079	0.093	0.084	0.081	0.086	0.085	0.093	0.1	0.086	0.08
PM10	90th Percentile	10 ns	1	39	41	40	35	39	41	41	39	39	39
	Weighted Annual Mean	10 ns	1	26.2	27.3	25.1	23.3	25.3	24.8	26.5	24.4	28	28
<b>FLAGSTAFF, AZ-UT</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.079	0.07	0.081	0.075	0.082	0.076	0.076	0.086	0.082	0.074
	4th Highest Daily max 8-h	10 ns	1	0.074	0.066	0.073	0.069	0.073	0.072	0.072	0.076	0.071	0.07
<b>FLINT, MI</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.016	0.016	0.011	0.014	0.012	0.011	0.015	0.014	0.011	0.012
SO2	2nd Daily max	10 ns	1	0.014	0.017	0.017	0.016	0.012	0.012	0.014	0.011	0.015	0.014
	Annual Mean	10 ns	1	0.005	0.005	0.004	0.003	0.002	0.002	0.002	0.003	0.004	0.002
Ozone	2nd Highest Daily Max	10 ns	1	0.093	0.106	0.09	0.097	0.113	0.094	0.104	0.108	0.086	0.108
	4th Highest Daily max 8-h	10 up	1	0.069	0.068	0.077	0.082	0.089	0.081	0.089	0.089	0.072	0.091
PM10	90th Percentile	10 ns	1	40	40	36	37	31	33	37	33	32	42
	Weighted Annual Mean	10 down	1	23.9	23.9	20.1	21.1	20.2	20.2	20.6	19	18.6	20
<b>FLORENCE, AL</b>													
SO2	2nd Daily max	10 down	1	0.019	0.022	0.022	0.018	0.019	0.02	0.019	0.017	0.017	0.016
	Annual Mean	10 down	1	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
<b>FORT COLLINS-LOVELAND, CO</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.9	6.6	6	5.2	5.1	5.2	4.1	5.1	3.8	3
Ozone	2nd Highest Daily Max	10 ns	2	0.091	0.091	0.095	0.089	0.092	0.088	0.092	0.085	0.093	0.086
	4th Highest Daily max 8-h	10 ns	2	0.069	0.068	0.072	0.072	0.069	0.07	0.076	0.069	0.074	0.069

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>FORT LAUDERDALE, FL</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	6.2	5.3	6.4	6.7	4.2	4.8	3.5	5.4	3.7	4.2
SO2	2nd Daily max	10 up	1	0.006	0.011	0.013	0.008	0.008	0.011	0.017	0.015	0.026	0.016
	Annual Mean	10 up	1	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002
NO2	Annual Mean	10 ns	1	0.009	0.01	0.009	0.011	0.01	0.01	0.01	0.011	0.01	0.009
Ozone	2nd Highest Daily Max	10 ns	2	0.103	0.102	0.097	0.097	0.102	0.091	0.1	0.102	0.091	0.1
	4th Highest Daily max 8-h	10 ns	2	0.08	0.081	0.071	0.066	0.066	0.071	0.077	0.073	0.073	0.074
<b>FORT MYERS-CAPE CORAL, FL</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.082	0.078	0.09	0.086	0.072	0.076	0.109	0.096	0.081	0.081
	4th Highest Daily max 8-h	10 ns	1	0.073	0.069	0.076	0.066	0.062	0.067	0.092	0.077	0.073	0.073
<b>FORT WAYNE, IN</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	4.7	4.7	4.7	4.7	2.7	6.3	3	3.3	3.9	2.6
Ozone	2nd Highest Daily Max	10 ns	2	0.095	0.093	0.113	0.109	0.1	0.095	0.103	0.1	0.093	0.091
	4th Highest Daily max 8-h	10 ns	2	0.088	0.081	0.094	0.094	0.091	0.087	0.089	0.089	0.086	0.078
PM10	90th Percentile	10 ns	1	38	36	43	44	28	28	39	31	32	33
	Weighted Annual Mean	10 ns	1	22.7	22.9	23.5	23.9	17.2	19.6	23.7	17	20.2	18
<b>FORT WORTH-ARLINGTON, TX</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3.8	3.5	2.7	3.3	2.8	2.8	2.5	2.6	2.1	2
NO2	Annual Mean	10 ns	1	0.015	0.013	0.017	0.017	0.015	0.016	0.013	0.017	0.012	0.012
Ozone	2nd Highest Daily Max	10 ns	1	0.128	0.109	0.12	0.143	0.126	0.133	0.124	0.154	0.119	0.126
	4th Highest Daily max 8-h	10 up	1	0.086	0.087	0.092	0.098	0.093	0.097	0.102	0.1	0.095	0.098
PM10	90th Percentile	10 ns	1	30	33	34	37	43	33	41	35	33	30
	Weighted Annual Mean	10 ns	1	20.2	19.9	19.8	23.2	23.7	20.4	25.3	22	22.5	20.4
<b>FRESNO, CA</b>													
Pb	Maximum Quarterly Value	10 down	1	0.035	0.025	0.02	0.015	0.008	0.011	0.013	0.008	0.01	0.01
CO	2nd max (daily, non-overlap)	10 down	4	4.575	4.175	4.925	4.225	4.15	3.5	3.5	3.4	3.35	3.1
NO2	Annual Mean	10 down	4	0.02	0.021	0.02	0.02	0.019	0.018	0.018	0.021	0.018	0.018
Ozone	2nd Highest Daily Max	10 ns	4	0.14	0.14	0.127	0.134	0.14	0.126	0.155	0.129	0.134	0.134
	4th Highest Daily max 8-h	10 ns	4	0.104	0.107	0.098	0.102	0.107	0.101	0.118	0.102	0.105	0.106
PM10	90th Percentile	10 ns	3	76.333	91.667	66	83.333	63.333	81	62	96.333	76	78.333
	Weighted Annual Mean	10 ns	3	49.067	46.9	42.567	44.567	37.333	42.767	34.833	48.1	41.933	45.867
<b>GADSDEN, AL</b>													
PM10	90th Percentile	10 ns	1	52	63	47	46	32	51	52	48	41	37
	Weighted Annual Mean	10 down	1	31	34.5	31.3	30.2	22.8	27.5	30.8	29.6	26.3	20.2
<b>GAINESVILLE, FL</b>													
PM10	90th Percentile	10 ns	1	30	30	33	27	23	32	28	29	30	28
	Weighted Annual Mean	10 ns	1	19.5	19.5	18.5	17.5	17.1	20.7	19.4	18.5	19.5	19.4
<b>GALVESTON-TEXAS CITY, TX</b>													
SO2	2nd Daily max	10 ns	1	0.039	0.056	0.052	0.089	0.067	0.053	0.039	0.04	0.037	0.045
	Annual Mean	10 ns	1	0.005	0.005	0.006	0.006	0.014	0.006	0.004	0.007	0.004	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.097	0.176	0.125	0.198	0.107	0.175	0.146	0.172	0.127	0.113
	4th Highest Daily max 8-h	10 ns	1	0.067	0.114	0.088	0.14	0.08	0.097	0.095	0.108	0.09	0.076
PM10	90th Percentile	10 ns	1	34	36	39	46	31	37	36	37	46	33
	Weighted Annual Mean	10 ns	1	22.8	21.8	23.2	27.3	21.5	23.1	23.2	25.4	26.5	20.4
<b>GARY, IN</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.041	0.044	0.052	0.044	0.064	0.043	0.04	0.077	0.108	0.017
CO	2nd max (daily, non-overlap)	10 down	1	4.2	5	4.6	3.7	2.8	3.8	3.2	3.1	3.2	3.2
SO2	2nd Daily max	10 down	1	0.052	0.044	0.055	0.039	0.031	0.032	0.055	0.028	0.025	0.03
	Annual Mean	10 down	1	0.01	0.008	0.008	0.008	0.007	0.008	0.009	0.007	0.006	0.006
Ozone	2nd Highest Daily Max	10 ns	1	0.116	0.084	0.105	0.12	0.11	0.11	0.113	0.108	0.096	0.105
	4th Highest Daily max 8-h	10 ns	1	0.079	0.071	0.082	0.099	0.093	0.094	0.085	0.095	0.086	0.09

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992—2001 (continued)

Metropolitan Statistical Area	Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
<b>GRAND JUNCTION, CO</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.7	6.1	6	5.4	5.8	5.4	5.3	4.7	4.1	3.7
<b>GRAND RAPIDS-MUSKEGON-HOLLAND, MI</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	3.2	3.2	4	4.6	3.3	2.4	2.9	3.5	2.6	3.1
SO2	2nd Daily max	10 down	1	0.015	0.012	0.013	0.011	0.011	0.008	0.008	0.006	0.01	0.007
	Annual Mean	10 down	1	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.001	0.002	0.002
Ozone	2nd Highest Daily Max	10 ns	3	0.099	0.099	0.112	0.134	0.124	0.109	0.112	0.11	0.114	0.111
	4th Highest Daily max 8-h	10 ns	3	0.074	0.082	0.089	0.107	0.091	0.086	0.089	0.093	0.075	0.09
PM10	90th Percentile	10 down	2	55	39	46	40	35.5	32	38.5	36	31	36.5
	Weighted Annual Mean	10 down	2	34.8	21.85	26.9	20.95	20.25	18.65	21.25	18.9	18.65	20.4
<b>GREAT FALLS, MT</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.8	6.9	4.8	6.2	5.4	6.4	4.5	3.5	3.6	3.6
<b>GREELEY, CO</b>													
CO	2nd max (daily, non-overlap)	10 down	1	7.5	5.8	5.2	5.3	7	4.8	4.4	3.4	3.8	3.7
Ozone	2nd Highest Daily Max	10 up	1	0.084	0.087	0.087	0.093	0.097	0.095	0.102	0.092	0.093	0.105
	4th Highest Daily max 8-h	10 ns	1	0.064	0.063	0.071	0.072	0.07	0.069	0.075	0.069	0.069	0.074
PM10	90th Percentile	10 down	1	43	40	37	34	30	30	30	29	34	33
	Weighted Annual Mean	10 ns	1	25.4	22.6	23.1	19.9	17.7	17.9	16.3	17.6	20.4	20.8
<b>GREEN BAY, WI</b>													
SO2	2nd Daily max	10 down	1	0.021	0.018	0.015	0.017	0.011	0.017	0.011	0.011	0.016	0.013
	Annual Mean	10 down	1	0.004	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.004	0.003
Ozone	2nd Highest Daily Max	10 ns	1	0.085	0.085	0.085	0.112	0.105	0.091	0.098	0.097	0.09	0.107
	4th Highest Daily max 8-h	10 ns	1	0.069	0.069	0.069	0.083	0.091	0.073	0.077	0.085	0.071	0.088
<b>GREENSBORO—WINSTON-SALEM—HIGH POINT, NC</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.7	5.5	6	6.2	4.3	4.7	5.4	3.6	3.7	3.5
SO2	2nd Daily max	10 ns	1	0.019	0.022	0.021	0.025	0.026	0.023	0.023	0.02	0.019	0.016
	Annual Mean	10 ns	1	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.005	0.005	0.005
NO2	Annual Mean	10 ns	1	0.015	0.017	0.017	0.016	0.016	0.017	0.017	0.016	0.016	0.016
Ozone	2nd Highest Daily Max	10 ns	1	0.103	0.103	0.098	0.117	0.102	0.115	0.119	0.113	0.104	0.106
	4th Highest Daily max 8-h	10 ns	1	0.087	0.087	0.081	0.09	0.08	0.093	0.1	0.099	0.09	0.094
PM10	90th Percentile	10 ns	1	39	44	32	37	37	39	42	40	36	34
	Weighted Annual Mean	10 ns	1	24.8	27.2	22.8	25.7	24.7	25.1	25.7	24.8	22.7	21.3
<b>GREENVILLE, NC</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.095	0.108	0.086	0.098	0.097	0.122	0.109	0.109	0.109	0.091
	4th Highest Daily max 8-h	10 ns	1	0.078	0.091	0.074	0.082	0.086	0.097	0.089	0.093	0.082	0.077
<b>GREENVILLE-SPARTANBURG-ANDERSON, SC</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.019	0.02	0.018	0.012	0.011	0.01	0.011	0.012	0.021	0.01
CO	2nd max (daily, non-overlap)	10 down	1	5.4	5.4	5.5	5.3	4.6	5.6	4.3	4.8	3.7	3.4
SO2	2nd Daily max	10 ns	1	0.014	0.012	0.016	0.007	0.012	0.014	0.015	0.009	0.011	0.013
	Annual Mean	10 ns	1	0.003	0.003	0.003	0.001	0.002	0.003	0.003	0.003	0.003	0.003
NO2	Annual Mean	10 down	1	0.02	0.018	0.018	0.017	0.016	0.017	0.017	0.017	0.016	0.015
Ozone	2nd Highest Daily Max	10 ns	2	0.09	0.116	0.101	0.117	0.103	0.103	0.118	0.12	0.107	0.104
	4th Highest Daily max 8-h	10 up	2	0.075	0.085	0.085	0.09	0.086	0.087	0.099	0.1	0.087	0.089
<b>HAMILTON-MIDDLETOWN, OH</b>													
SO2	2nd Daily max	10 ns	1	0.038	0.042	0.046	0.02	0.026	0.035	0.022	0.021	0.023	0.027
	Annual Mean	10 ns	1	0.008	0.008	0.008	0.005	0.006	0.006	0.006	0.007	0.006	0.006
Ozone	2nd Highest Daily Max	10 ns	2	0.097	0.121	0.113	0.127	0.111	0.111	0.114	0.118	0.096	0.109
	4th Highest Daily max 8-h	10 ns	2	0.071	0.091	0.091	0.092	0.093	0.09	0.091	0.096	0.083	0.085
PM10	90th Percentile	10 down	1	61	68	60	71	47	65	61	55	52	46
	Weighted Annual Mean	10 ns	1	34.4	33.3	33.9	39.2	31.6	35.2	35.5	31.1	32.1	26.7

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>HARRISBURG-LEBANON-CARLISLE, PA</b>													
SO2	2nd Daily max	10 down	1	0.03	0.025	0.04	0.02	0.022	0.022	0.021	0.021	0.024	0.015
	Annual Mean	10 down	1	0.007	0.006	0.007	0.005	0.006	0.007	0.006	0.005	0.005	0.005
NO2	Annual Mean	10 ns	1	0.018	0.015	0.022	0.02	0.021	0.019	0.019	0.018	0.017	0.018
Ozone	2nd Highest Daily Max	10 ns	2	0.096	0.114	0.12	0.106	0.1	0.114	0.114	0.12	0.106	0.102
	4th Highest Daily max 8-h	10 ns	2	0.079	0.096	0.09	0.087	0.081	0.088	0.093	0.1	0.084	0.089
<b>HARTFORD, CT</b>													
CO	2nd max (daily, non-overlap)	10 down	2	6.05	5.55	6.35	5.75	4.975	4.8	5.4	4.35	5	3.75
SO2	2nd Daily max	10 down	1	0.034	0.023	0.031	0.023	0.022	0.025	0.019	0.019	0.021	0.023
	Annual Mean	10 down	1	0.007	0.006	0.007	0.005	0.006	0.005	0.005	0.004	0.004	0.005
NO2	Annual Mean	10 ns	1	0.017	0.018	0.02	0.017	0.016	0.018	0.02	0.018	0.017	0.02
Ozone	2nd Highest Daily Max	10 ns	2	0.12	0.147	0.141	0.138	0.097	0.142	0.114	0.147	0.109	0.136
	4th Highest Daily max 8-h	10 ns	2	0.089	0.101	0.101	0.099	0.082	0.1	0.086	0.101	0.084	0.098
PM10	90th Percentile	10 down	1	35	31	36	31	30	34	30	26	26	29
	Weighted Annual Mean	10 down	1	19.9	17.5	19.6	16.4	17.3	18.9	18.1	16.5	16.7	15.8
<b>HICKORY-MORGANTON-LENOIR, NC</b>													
PM10	90th Percentile	10 down	1	44	44	39	36	37	37	37	43	33	33
	Weighted Annual Mean	10 down	1	26.4	26.4	26.3	23.2	24.1	23.7	23.1	25	22	21
<b>HONOLULU, HI</b>													
CO	2nd max (daily, non-overlap)	10 down	2	2	1.8	1.65	1.75	1.85	1.6	1.45	1.3	1.45	1.6
SO2	2nd Daily max	10 ns	3	0.006	0.009	0.006	0.006	0.006	0.004	0.006	0.003	0.004	0.005
	Annual Mean	10 ns	3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
NO2	Annual Mean	10 ns	1	0.004	0.004	0.004	0.004	0.003	0.005	0.004	0.004	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.059	0.055	0.055	0.056	0.047	0.053	0.056	0.054	0.048	0.051
	4th Highest Daily max 8-h	10 ns	1	0.046	0.049	0.052	0.051	0.041	0.047	0.049	0.048	0.044	0.042
PM10	90th Percentile	10 down	1	32	40	56	36	23	22.5	22	19	22	21
	Weighted Annual Mean	10 down	1	20.7	24	30.2	20.7	19.1	17.1	15.1	14.9	15.6	15.6
<b>HOUSTON, TX</b>													
CO	2nd max (daily, non-overlap)	10 down	3	7.3	5.6	4.767	4.267	5.567	4.533	4.033	3.6	3.533	3.633
SO2	2nd Daily max	10 ns	1	0.032	0.022	0.02	0.027	0.027	0.024	0.024	0.019	0.031	0.021
	Annual Mean	10 ns	1	0.007	0.006	0.005	0.004	0.005	0.004	0.004	0.005	0.006	0.005
NO2	Annual Mean	10 ns	3	0.02	0.017	0.019	0.02	0.019	0.02	0.018	0.02	0.017	0.018
Ozone	2nd Highest Daily Max	10 ns	2	0.166	0.177	0.152	0.177	0.165	0.186	0.175	0.172	0.169	0.157
	4th Highest Daily max 8-h	10 ns	2	0.109	0.094	0.101	0.12	0.111	0.106	0.11	0.103	0.107	0.101
PM10	90th Percentile	10 ns	1	61	68	79	73	63	77	107	75	76	64
	Weighted Annual Mean	10 ns	1	38.3	41.5	47.4	42.3	40.4	43.4	54.1	44.2	46	39
<b>HUNTINGTON-ASHLAND, WV-KY-OH</b>													
SO2	2nd Daily max	10 down	3	0.052	0.06	0.053	0.035	0.038	0.034	0.04	0.034	0.03	0.029
	Annual Mean	10 down	3	0.01	0.01	0.011	0.008	0.008	0.008	0.009	0.009	0.008	0.007
NO2	Annual Mean	10 ns	1	0.016	0.016	0.017	0.016	0.013	0.015	0.017	0.016	0.015	0.016
Ozone	2nd Highest Daily Max	10 ns	2	0.109	0.115	0.125	0.121	0.1	0.112	0.112	0.119	0.092	0.109
	4th Highest Daily max 8-h	10 ns	2	0.083	0.087	0.092	0.088	0.078	0.082	0.088	0.095	0.078	0.087
PM10	90th Percentile	10 ns	1	51	61	65	64	52	62	53	68	50	50
	Weighted Annual Mean	10 ns	1	31.8	33.1	39	38.4	37	39	35.2	39.1	32.7	30
<b>HUNTSVILLE, AL</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.2	4	3.5	3.6	3	3.1	3.3	4.3	2.3	2.3
Ozone	2nd Highest Daily Max	10 ns	1	0.114	0.112	0.107	0.102	0.096	0.096	0.118	0.106	0.111	0.088
	4th Highest Daily max 8-h	10 ns	1	0.087	0.087	0.075	0.08	0.081	0.086	0.092	0.093	0.088	0.08
PM10	90th Percentile	10 ns	2	41.5	38.5	32.5	33	34	38.5	38	37.5	36.5	36.5
	Weighted Annual Mean	10 ns	2	26.8	23.4	21.5	21.95	21.2	21.2	22.9	24	24.3	21.7

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>INDIANAPOLIS, IN</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	3	3.6	3	3.5	2.4	2.4	2.5	2.2	3.8	2.5
SO2	2nd Daily max	10 ns	2	0.029	0.036	0.04	0.021	0.021	0.023	0.022	0.02	0.022	0.022
	Annual Mean	10 ns	2	0.008	0.008	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.005
NO2	Annual Mean	10 ns	1	0.018	0.018	0.019	0.02	0.018	0.015	0.019	0.018	0.017	0.017
Ozone	2nd Highest Daily Max	10 ns	3	0.093	0.099	0.108	0.109	0.117	0.105	0.111	0.108	0.098	0.099
	4th Highest Daily max 8-h	10 ns	3	0.083	0.083	0.093	0.093	0.096	0.089	0.093	0.095	0.083	0.083
PM10	90th Percentile	10 down	2	50.5	53	46	52	34	37	44	42.5	37.5	32
	Weighted Annual Mean	10 down	2	31.2	28.6	30.15	31.45	22.45	24.9	26.5	22.8	22.8	21.2
<b>JACKSON, MS</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	4.3	6.2	5.1	4.4	4.8	3.8	3.7	5	3.2	4.2
SO2	2nd Daily max	10 down	1	0.013	0.01	0.008	0.007	0.008	0.007	0.008	0.007	0.006	0.006
	Annual Mean	10 ns	1	0.005	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Ozone	2nd Highest Daily Max	10 up	1	0.08	0.082	0.083	0.09	0.097	0.097	0.104	0.11	0.099	0.095
	4th Highest Daily max 8-h	10 up	1	0.067	0.07	0.068	0.075	0.076	0.079	0.082	0.082	0.08	0.078
<b>JACKSONVILLE, FL</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.021	0.022	0.017	0.027	0.023	0.015	0.017	0.017	0.029	0.017
CO	2nd max (daily, non-overlap)	10 down	1	3.9	4.8	3.4	3.7	3.1	2.8	2.8	3.9	2.6	2.7
SO2	2nd Daily max	10 ns	2	0.032	0.032	0.041	0.033	0.024	0.025	0.03	0.028	0.032	0.027
	Annual Mean	10 ns	2	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.005	0.004
NO2	Annual Mean	10 ns	1	0.014	0.015	0.014	0.016	0.015	0.014	0.015	0.016	0.015	0.013
Ozone	2nd Highest Daily Max	10 ns	1	0.101	0.103	0.087	0.1	0.086	0.085	0.1	0.103	0.09	0.092
	4th Highest Daily max 8-h	10 ns	1	0.075	0.08	0.069	0.068	0.073	0.073	0.08	0.08	0.071	0.072
<b>JAMESTOWN, NY</b>													
SO2	2nd Daily max	10 down	1	0.028	0.032	0.033	0.023	0.027	0.019	0.019	0.022	0.023	0.02
	Annual Mean	10 ns	1	0.007	0.007	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.098	0.104	0.094	0.104	0.097	0.105	0.111	0.101	0.101	0.097
	4th Highest Daily max 8-h	10 ns	1	0.083	0.081	0.08	0.089	0.081	0.087	0.095	0.087	0.083	0.085
PM10	90th Percentile	10 ns	1	27	26	32	32	28	32	35	32	29	25
	Weighted Annual Mean	10 down	1	16	15.4	14.4	15.7	15.1	15.4	16.9	14.1	13.7	11.7
<b>JANESVILLE-BELOIT, WI</b>													
Ozone	2nd Highest Daily Max	10 down	1	0.108	0.108	0.108	0.103	0.103	0.097	0.1	0.105	0.098	0.093
	4th Highest Daily max 8-h	10 ns	1	0.077	0.077	0.077	0.087	0.085	0.085	0.084	0.093	0.083	0.084
<b>JERSEY CITY, NJ</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6	5.6	5.9	6.2	4.9	4.3	4.1	3.9	3.8	3
SO2	2nd Daily max	10 down	2	0.041	0.03	0.036	0.026	0.027	0.025	0.022	0.024	0.024	0.027
	Annual Mean	10 down	2	0.01	0.009	0.009	0.007	0.008	0.008	0.007	0.007	0.007	0.008
NO2	Annual Mean	10 ns	1	0.028	0.027	0.026	0.026	0.027	0.026	0.027	0.026	0.026	0.026
Ozone	2nd Highest Daily Max	10 ns	1	0.112	0.131	0.118	0.125	0.12	0.119	0.118	0.139	0.103	0.132
	4th Highest Daily max 8-h	10 ns	1	0.092	0.103	0.095	0.104	0.087	0.105	0.089	0.106	0.082	0.091
PM10	90th Percentile	10 ns	1	48	54	62	48	51	50	42	43	50	53
	Weighted Annual Mean	10 ns	1	30.4	34.3	38.8	30.8	32.8	30.6	26.9	27.8	30.6	29.3
<b>JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3	6.5	3.4	3.1	3	3.5	3.4	2.8	2.2	2.1
SO2	2nd Daily max	10 ns	2	0.037	0.04	0.044	0.038	0.04	0.041	0.036	0.034	0.037	0.038
	Annual Mean	10 ns	2	0.009	0.008	0.01	0.009	0.01	0.01	0.01	0.009	0.01	0.009
NO2	Annual Mean	10 down	1	0.018	0.017	0.017	0.018	0.018	0.018	0.017	0.016	0.015	0.015
Ozone	2nd Highest Daily Max	10 ns	1	0.103	0.125	0.103	0.114	0.099	0.111	0.115	0.106	0.109	0.11
	4th Highest Daily max 8-h	10 ns	1	0.082	0.088	0.083	0.091	0.082	0.082	0.096	0.086	0.092	0.085

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>JOHNSTOWN, PA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.4	4.2	4.1	3.5	4.8	2.7	3.1	2.8	2	2.1
SO2	2nd Daily max	10 down	1	0.052	0.049	0.08	0.042	0.034	0.03	0.027	0.025	0.026	0.031
	Annual Mean	10 down	1	0.013	0.015	0.014	0.012	0.011	0.009	0.008	0.009	0.007	0.008
NO2	Annual Mean	10 down	1	0.018	0.017	0.018	0.015	0.018	0.016	0.015	0.015	0.015	0.014
Ozone	2nd Highest Daily Max	10 up	1	0.089	0.099	0.094	0.101	0.098	0.104	0.124	0.107	0.104	0.106
	4th Highest Daily max 8-h	10 up	1	0.074	0.083	0.083	0.09	0.083	0.092	0.098	0.09	0.086	0.09
<b>KALAMAZOO-BATTLE CREEK, MI</b>													
PM10	90th Percentile	10 ns	1	43	40	44	50	33	38	47	44	49	49
	Weighted Annual Mean	10 ns	1	27.1	24	25.9	26	22	22.6	26.7	22.5	26.3	26.3
<b>KANSAS CITY, MO-KS</b>													
SO2	2nd Daily max	10 ns	1	0.006	0.012	0.024	0.019	0.009	0.01	0.008	0.011	0.008	0.009
	Annual Mean	10 ns	1	0.001	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 up	1	0.014	0.012	0.011	0.013	0.013	0.012	0.013	0.016	0.014	0.014
Ozone	2nd Highest Daily Max	10 ns	2	0.097	0.1	0.098	0.129	0.1	0.111	0.118	0.103	0.11	0.103
	4th Highest Daily max 8-h	10 ns	2	0.079	0.074	0.082	0.092	0.078	0.089	0.089	0.08	0.086	0.075
PM10	90th Percentile	10 ns	1	66	69	62	61	60	48	54	75	58	56
	Weighted Annual Mean	10 ns	1	43.5	43.8	39.9	36.5	44.1	32.7	34.3	40	36.2	32.9
<b>KENOSHA, WI</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.091	0.102	0.114	0.111	0.119	0.102	0.114	0.115	0.095	0.116
	4th Highest Daily max 8-h	10 up	1	0.077	0.075	0.081	0.095	0.08	0.082	0.086	0.093	0.081	0.096
<b>KNOXVILLE, TN</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.5	4.6	4.3	4.1	3.3	4.8	3.9	3.8	3.1	3
SO2	2nd Daily max	10 ns	1	0.051	0.063	0.057	0.053	0.058	0.048	0.038	0.056	0.06	0.089
	Annual Mean	10 ns	1	0.01	0.009	0.01	0.01	0.009	0.008	0.007	0.009	0.01	0.01
Ozone	2nd Highest Daily Max	10 ns	1	0.097	0.116	0.111	0.113	0.102	0.107	0.107	0.122	0.111	0.109
	4th Highest Daily max 8-h	10 ns	1	0.08	0.088	0.087	0.096	0.083	0.084	0.087	0.094	0.093	0.085
<b>LAFAYETTE, LA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.101	0.101	0.101	0.109	0.098	0.105	0.1	0.094	0.123	0.09
	4th Highest Daily max 8-h	10 ns	1	0.083	0.083	0.083	0.09	0.084	0.078	0.084	0.081	0.092	0.077
<b>LAKE CHARLES, LA</b>													
SO2	2nd Daily max	10 down	1	0.019	0.019	0.017	0.018	0.018	0.012	0.012	0.015	0.013	0.012
	Annual Mean	10 down	1	0.006	0.006	0.004	0.005	0.003	0.003	0.003	0.004	0.004	0.003
NO2	Annual Mean	10 ns	1	0.004	0.004	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	3	0.106	0.11	0.094	0.103	0.096	0.119	0.119	0.103	0.117	0.097
	4th Highest Daily max 8-h	10 ns	3	0.079	0.081	0.074	0.078	0.074	0.084	0.085	0.079	0.085	0.078
<b>LAKELAND-WINTER HAVEN, FL</b>													
SO2	2nd Daily max	10 ns	1	0.018	0.019	0.016	0.014	0.021	0.017	0.027	0.019	0.018	0.017
	Annual Mean	10 up	1	0.004	0.004	0.004	0.005	0.006	0.007	0.006	0.007	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	2	0.095	0.103	0.088	0.089	0.089	0.101	0.104	0.097	0.101	0.108
	4th Highest Daily max 8-h	10 ns	2	0.072	0.082	0.072	0.073	0.07	0.078	0.087	0.078	0.078	0.084
<b>LANCASTER, PA</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	2.6	3	3.8	2.4	2.6	3.3	1.9	2.1	1.9	2.2
SO2	2nd Daily max	10 ns	1	0.023	0.026	0.03	0.018	0.021	0.023	0.02	0.021	0.024	0.018
	Annual Mean	10 down	1	0.006	0.007	0.006	0.006	0.005	0.007	0.006	0.005	0.005	0.004
NO2	Annual Mean	10 down	1	0.015	0.015	0.019	0.016	0.017	0.016	0.015	0.015	0.014	0.014
Ozone	2nd Highest Daily Max	10 ns	1	0.106	0.118	0.111	0.124	0.101	0.133	0.119	0.127	0.107	0.127
	4th Highest Daily max 8-h	10 ns	1	0.086	0.095	0.093	0.102	0.085	0.102	0.101	0.102	0.09	0.097

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>LANSING-EAST LANSING, MI</b>													
Ozone	2nd Highest Daily Max	10 ns	2	0.091	0.096	0.093	0.096	0.087	0.087	0.1	0.1	0.091	0.105
	4th Highest Daily max 8-h	10 ns	2	0.08	0.079	0.079	0.082	0.077	0.077	0.08	0.088	0.076	0.085
<b>LAS CRUCES, NM</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.9	8.7	5	4.4	4.3	4.8	4.2	3.8	3.7	3.3
SO2	2nd Daily max	10 down	2	0.052	0.055	0.023	0.021	0.03	0.014	0.012	0.005	0.003	0.004
	Annual Mean	10 down	2	0.009	0.006	0.004	0.004	0.004	0.003	0.003	0.001	0.001	0.001
Ozone	2nd Highest Daily Max	10 ns	2	0.098	0.105	0.107	0.106	0.106	0.09	0.097	0.091	0.101	0.085
	4th Highest Daily max 8-h	10 ns	2	0.069	0.075	0.074	0.074	0.074	0.066	0.072	0.075	0.072	0.067
PM10	90th Percentile	10 ns	1	57	51	62	65	60	56	57	80	73	74
	Weighted Annual Mean	10 ns	1	31.6	31.3	36	38.4	37.2	31.6	31.8	44.1	41	36.7
<b>LAS VEGAS, NV-AZ</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.1	7.2	6.9	6.4	6.6	5.5	6.2	5.6	4.8	4.2
Ozone	2nd Highest Daily Max	10 down	2	0.092	0.091	0.092	0.087	0.094	0.089	0.087	0.084	0.083	0.083
	4th Highest Daily max 8-h	10 ns	2	0.075	0.074	0.076	0.072	0.08	0.074	0.077	0.07	0.072	0.069
PM10	90th Percentile	10 ns	1	76	75	67	77	82	97	87.5	78	72	73
	Weighted Annual Mean	10 ns	1	48.3	43.1	47.4	46.7	52.5	59.7	52.4	45.1	43.8	46.7
<b>LAWRENCE, MA-NH</b>													
SO2	2nd Daily max	10 down	1	0.029	0.027	0.032	0.033	0.023	0.027	0.031	0.021	0.02	0.021
	Annual Mean	10 down	1	0.008	0.007	0.007	0.007	0.005	0.006	0.008	0.005	0.004	0.004
Ozone	2nd Highest Daily Max	10 ns	1	0.086	0.1	0.101	0.081	0.092	0.097	0.096	0.09	0.072	0.081
	4th Highest Daily max 8-h	10 ns	1	0.074	0.076	0.082	0.069	0.079	0.078	0.076	0.068	0.06	0.062
<b>LAWTON, OK</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3.4	2.6	1.9	3.1	2.667	2.233	1.8	1.7	1.4	2.2
<b>LEWISTON-AUBURN, ME</b>													
SO2	2nd Daily max	10 down	1	0.02	0.025	0.025	0.02	0.018	0.017	0.019	0.016	0.018	0.015
	Annual Mean	10 down	1	0.005	0.007	0.006	0.004	0.004	0.004	0.004	0.004	0.003	0.004
PM10	90th Percentile	10 down	1	43	50	35	37	31	35	31	31	28	37
	Weighted Annual Mean	10 ns	1	24	24.3	20.2	19.8	20	20.6	18.2	18.6	17.5	20.7
<b>LEXINGTON, KY</b>													
SO2	2nd Daily max	10 ns	1	0.03	0.026	0.037	0.016	0.02	0.016	0.023	0.02	0.02	0.029
	Annual Mean	10 down	1	0.007	0.007	0.008	0.006	0.006	0.006	0.006	0.008	0.005	0.005
NO2	Annual Mean	10 down	1	0.016	0.017	0.016	0.017	0.014	0.014	0.011	0.013	0.013	0.013
Ozone	2nd Highest Daily Max	10 ns	1	0.078	0.103	0.099	0.108	0.096	0.096	0.103	0.113	0.086	0.092
	4th Highest Daily max 8-h	10 ns	1	0.066	0.085	0.087	0.089	0.086	0.082	0.089	0.091	0.076	0.078
PM10	90th Percentile	10 ns	2	39	42	46	39.5	37.5	37	40	40	37.5	35
	Weighted Annual Mean	10 down	2	24.3	23.85	27.6	22.65	23.15	21.85	23	22.55	22.95	22.2
<b>LIMA, OH</b>													
SO2	2nd Daily max	10 down	1	0.02	0.023	0.036	0.015	0.015	0.016	0.017	0.013	0.015	0.013
	Annual Mean	10 ns	1	0.004	0.005	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Ozone	2nd Highest Daily Max	10 ns	1	0.1	0.099	0.102	0.106	0.11	0.091	0.102	0.107	0.1	0.096
	4th Highest Daily max 8-h	10 ns	1	0.082	0.09	0.089	0.092	0.092	0.083	0.089	0.093	0.085	0.081
PM10	90th Percentile	10 ns	2	39	39	40.5	40.5	37	42.5	34.5	25	36	31
	Weighted Annual Mean	10 down	2	27.15	27.15	29.6	26.65	24.35	23.75	22.6	16.65	23	20.85
<b>LINCOLN, NE</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	6.4	5.1	5.3	6.2	4.7	6.9	6	5.7	2.9	4
Ozone	2nd Highest Daily Max	10 ns	1	0.074	0.057	0.075	0.07	0.06	0.061	0.068	0.062	0.072	0.061
	4th Highest Daily max 8-h	10 ns	1	0.067	0.049	0.062	0.06	0.054	0.054	0.058	0.053	0.057	0.051

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>LITTLE ROCK-NORTH LITTLE ROCK, AR</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	4.1	4.1	3.9	3.7	3.8	4.7	4.8	4	2.9	2.2
SO2	2nd Daily max	10 down	1	0.012	0.017	0.009	0.008	0.009	0.006	0.006	0.005	0.007	0.005
	Annual Mean	10 down	1	0.005	0.006	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 ns	1	0.012	0.009	0.011	0.011	0.011	0.01	0.011	0.011	0.01	0.01
Ozone	2nd Highest Daily Max	10 up	2	0.089	0.096	0.09	0.106	0.096	0.099	0.096	0.103	0.113	0.102
	4th Highest Daily max 8-h	10 up	2	0.076	0.076	0.076	0.086	0.078	0.077	0.078	0.083	0.09	0.079
PM10	90th Percentile	10 ns	1	55	48	51	60	43	47	54	48	47	46
	Weighted Annual Mean	10 ns	1	32	30.3	29.7	33.8	29.1	27	34.2	32.5	28.8	28.8
<b>LONGVIEW-MARSHALL, TX</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.101	0.114	0.104	0.145	0.106	0.124	0.129	0.134	0.131	0.111
	4th Highest Daily max 8-h	10 ns	1	0.079	0.093	0.081	0.102	0.082	0.091	0.104	0.105	0.099	0.082
<b>LOS ANGELES-LONG BEACH, CA</b>													
Pb	Maximum Quarterly Value	10 ns	2	0.062	0.053	0.049	0.046	0.041	0.057	0.04	0.068	0.053	0.076
CO	2nd max (daily, non-overlap)	10 down	2	13.85	11.7	13.65	10.15	12.5	11.45	9.8	9.5	8.25	6.2
SO2	2nd Daily max	10 ns	2	0.018	0.011	0.008	0.007	0.008	0.008	0.009	0.011	0.006	0.007
	Annual Mean	10 ns	2	0.004	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.002	0.003
NO2	Annual Mean	10 down	4	0.039	0.037	0.04	0.039	0.036	0.033	0.033	0.036	0.033	0.031
Ozone	2nd Highest Daily Max	10 down	3	0.19	0.157	0.15	0.133	0.134	0.12	0.122	0.098	0.115	0.114
	4th Highest Daily max 8-h	10 down	3	0.119	0.109	0.096	0.093	0.094	0.085	0.085	0.067	0.076	0.08
PM10	90th Percentile	10 ns	3	68.333	67	60	69.333	64	62.333	59	67	61	63
	Weighted Annual Mean	10 ns	3	42.967	41.533	39.433	42	39.8	42.2	36.367	45.133	40.467	41.1
<b>LOUISVILLE, KY-IN</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	3.9	4.5	4.6	3.6	3.4	3.8	3.8	3.3	3.8	3.9
SO2	2nd Daily max	10 ns	2	0.032	0.033	0.037	0.023	0.027	0.029	0.035	0.023	0.033	0.033
	Annual Mean	10 ns	2	0.008	0.008	0.009	0.006	0.007	0.006	0.008	0.007	0.008	0.006
Ozone	2nd Highest Daily Max	10 ns	1	0.11	0.13	0.133	0.132	0.098	0.125	0.14	0.107	0.101	0.106
	4th Highest Daily max 8-h	10 ns	1	0.082	0.098	0.103	0.1	0.081	0.097	0.104	0.089	0.085	0.086
PM10	90th Percentile	10 ns	1	45	52	41	46	48	43	41	41	48	44
	Weighted Annual Mean	10 down	1	28.2	27.5	28.4	27.9	28.3	27	26.2	24.2	26.4	27.2
<b>LOWELL, MA-NH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.9	5.1	6.5	7.8	4.5	3.6	3.4	4.2	3.2	2.7
<b>LUBBOCK, TX</b>													
PM10	90th Percentile	10 ns	1	35	30	33	34	34	27	37	26	32	29
	Weighted Annual Mean	10 ns	1	22.1	19.9	23	20.8	21.7	16.7	20.5	18.1	19	19.7
<b>MADISON, WI</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.094	0.079	0.082	0.1	0.094	0.088	0.089	0.098	0.087	0.088
	4th Highest Daily max 8-h	10 ns	1	0.079	0.066	0.071	0.08	0.079	0.079	0.076	0.085	0.071	0.078
PM10	90th Percentile	10 ns	1	32	37	33	43	30	34	43	38	34	32
	Weighted Annual Mean	10 ns	1	21.7	21	22.4	22.8	19.6	20.3	26.6	20.8	22	22
<b>MANCHESTER, NH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.4	4.5	6.9	5.9	7.6	4	3.6	3.5	3.6	3.1
Ozone	2nd Highest Daily Max	10 down	1	0.097	0.101	0.093	0.093	0.103	0.103	0.078	0.057	0.057	0.057
	4th Highest Daily max 8-h	10 down	1	0.078	0.083	0.078	0.074	0.084	0.082	0.063	0.05	0.05	0.05
PM10	90th Percentile	10 down	1	32	38	34	28	27	27	27	29	24	25
	Weighted Annual Mean	10 ns	1	18.6	18.6	15.3	14.3	16	18.2	14.6	16.1	15.9	16.8
<b>MANSFIELD, OH</b>													
PM10	90th Percentile	10 down	1	39	44	49	42	40	40	41	39	37	37
	Weighted Annual Mean	10 down	1	26.4	27.7	29.2	24.7	24.3	23.3	23.8	22.6	23.7	23.7



**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>MEDFORD-ASHLAND, OR</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.112	0.081	0.087	0.091	0.101	0.074	0.117	0.077	0.079	0.081
	4th Highest Daily max 8-h	10 ns	1	0.081	0.066	0.068	0.071	0.075	0.063	0.085	0.065	0.067	0.064
PM10	90th Percentile	10 down	3	61.667	62.333	55.333	42.333	40.667	42	38	47.667	44.333	41
	Weighted Annual Mean	10 down	3	36.167	35.267	32.8	25.833	24.2	26.367	23.833	27.167	24.767	23.9
<b>MEMPHIS, TN-AR-MS</b>													
CO	2nd max (daily, non-overlap)	10 down	2	8.05	8.9	7.35	5.9	5.75	4.85	5.05	4.75	4.25	4.45
NO2	Annual Mean	10 ns	1	0.026	0.026	0.027	0.027	0.024	0.028	0.029	0.025	0.025	0.025
Ozone	2nd Highest Daily Max	10 ns	1	0.093	0.102	0.109	0.14	0.114	0.122	0.1	0.13	0.112	0.121
	4th Highest Daily max 8-h	10 ns	1	0.073	0.077	0.084	0.099	0.096	0.091	0.085	0.095	0.091	0.092
PM10	90th Percentile	10 down	1	48	53	45	49	38	52	46	45	37	36
	Weighted Annual Mean	10 down	1	31.1	30.5	27.5	29.8	26.2	30.4	27.7	27.1	27.7	25
<b>MERCED, CA</b>													
NO2	Annual Mean	10 ns	1	0.015	0.015	0.013	0.012	0.012	0.013	0.011	0.012	0.012	0.012
Ozone	2nd Highest Daily Max	10 ns	1	0.12	0.12	0.119	0.13	0.124	0.09	0.14	0.125	0.12	0.113
	4th Highest Daily max 8-h	10 ns	1	0.102	0.096	0.097	0.107	0.102	0.074	0.112	0.105	0.103	0.096
<b>MIAMI, FL</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.5	5.5	4.9	5.1	4.6	4.1	3.4	3.9	3.4	4.2
SO2	2nd Daily max	10 ns	1	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.003	0.003	0.004
	Annual Mean	10 ns	1	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.002	0.002
NO2	Annual Mean	10 ns	2	0.011	0.012	0.01	0.011	0.011	0.012	0.011	0.012	0.011	0.011
Ozone	2nd Highest Daily Max	10 ns	2	0.101	0.105	0.092	0.098	0.092	0.101	0.103	0.107	0.087	0.098
	4th Highest Daily max 8-h	10 ns	2	0.075	0.081	0.072	0.072	0.069	0.073	0.083	0.077	0.074	0.067
PM10	90th Percentile	10 ns	1	41	44	36	35	40	36	37	33	36	41
	Weighted Annual Mean	10 down	1	28.5	29.8	27	25.1	28.4	26.2	27.6	24.2	25.9	25.9
<b>MIDDLESEX-SOMERSET-HUNTERDON, NJ</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	3.9	3.7	4.3	5.4	3.3	3.8	3	3.2	3.2	3.3
SO2	2nd Daily max	10 ns	1	0.026	0.018	0.028	0.018	0.024	0.019	0.018	0.016	0.018	0.024
	Annual Mean	10 down	1	0.006	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Ozone	2nd Highest Daily Max	10 ns	1	0.057	0.057	0.057	0.15	0.125	0.139	0.117	0.154	0.112	0.136
	4th Highest Daily max 8-h	10 ns	1	0.036	0.036	0.036	0.109	0.094	0.106	0.099	0.11	0.094	0.106
<b>MILWAUKEE-WAUKESHA, WI</b>													
CO	2nd max (daily, non-overlap)	10 down	1	2.6	2.9	3	2.4	1.9	1.8	1.9	1.9	1.5	1.5
SO2	2nd Daily max	10 ns	1	0.023	0.018	0.032	0.025	0.028	0.028	0.022	0.024	0.026	0.018
	Annual Mean	10 ns	1	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003
NO2	Annual Mean	10 down	1	0.018	0.017	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.016
Ozone	2nd Highest Daily Max	10 ns	2	0.1	0.106	0.126	0.123	0.105	0.122	0.111	0.117	0.094	0.118
	4th Highest Daily max 8-h	10 ns	2	0.08	0.081	0.082	0.101	0.084	0.089	0.08	0.092	0.075	0.094
PM10	90th Percentile	10 down	2	38	44	37.5	51	34.5	33.5	37.5	36	32.5	33.5
	Weighted Annual Mean	10 down	2	24.65	23.95	24.25	25.65	23.35	22.1	24.65	22.3	20.55	22.05
<b>MINNEAPOLIS-ST. PAUL, MN-WI</b>													
CO	2nd max (daily, non-overlap)	10 down	2	4.35	3.85	4.4	4.05	3.1	3.25	4.05	3.1	3.25	3.05
Ozone	2nd Highest Daily Max	10 ns	1	0.089	0.067	0.079	0.112	0.102	0.091	0.093	0.088	0.087	0.092
	4th Highest Daily max 8-h	10 ns	1	0.077	0.058	0.07	0.084	0.081	0.078	0.069	0.074	0.064	0.077
<b>MOBILE, AL</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.105	0.098	0.085	0.108	0.104	0.117	0.114	0.118	0.115	0.095
	4th Highest Daily max 8-h	10 up	1	0.076	0.074	0.072	0.079	0.081	0.081	0.098	0.085	0.089	0.076
PM10	90th Percentile	10 ns	1	53	51	44	35	36	34	50	40	30	40
	Weighted Annual Mean	10 down	1	33.2	31.7	27.5	24.8	21.7	21.1	30.7	24.7	19.3	25.4

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>MODESTO, CA</b>													
CO	2nd max (daily, non-overlap)	10 ns	2	5	4.65	5.1	4.2	4.3	3.7	4.3	4.85	4.25	3.95
NO2	Annual Mean	10 down	2	0.021	0.02	0.02	0.019	0.019	0.019	0.019	0.02	0.017	0.018
Ozone	2nd Highest Daily Max	10 ns	2	0.11	0.12	0.112	0.125	0.124	0.11	0.14	0.109	0.108	0.11
	4th Highest Daily max 8-h	10 ns	2	0.089	0.093	0.09	0.099	0.096	0.086	0.103	0.089	0.089	0.093
PM10	90th Percentile	10 ns	1	62	62	62	80	55	60	57	83	60	70
	Weighted Annual Mean	10 ns	1	41.1	41.1	41.1	41.6	32	37.1	30.9	45.9	33.9	39.6
<b>MONMOUTH-OCEAN, NJ</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.7	6.4	5	3.6	4.6	3.2	2.9	3.4	3.2	3.8
Ozone	2nd Highest Daily Max	10 ns	1	0.129	0.123	0.119	0.149	0.118	0.15	0.135	0.135	0.136	0.13
	4th Highest Daily max 8-h	10 ns	1	0.091	0.103	0.099	0.117	0.095	0.113	0.104	0.105	0.114	0.108
<b>MONTGOMERY, AL</b>													
Ozone	2nd Highest Daily Max	10 ns	2	0.107	0.116	0.098	0.097	0.097	0.085	0.119	0.103	0.105	0.093
	4th Highest Daily max 8-h	10 ns	2	0.081	0.086	0.078	0.082	0.072	0.069	0.092	0.085	0.085	0.077
PM10	90th Percentile	10 up	1	40	40	40	41	35	39	41	42	42	43
	Weighted Annual Mean	10 ns	1	25.9	25.9	25.9	24.1	21.2	22.9	26.7	25.4	25.1	23
<b>MYRTLE BEACH, SC</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.011	0.006	0.006	0.004	0.004	0.003	0.009	0.01	0.005	0.008
<b>NASHUA, NH</b>													
CO	2nd max (daily, non-overlap)	10 down	1	7.2	5.8	8	7.6	7.8	5.3	5.3	5.3	4.1	4
SO2	2nd Daily max	10 down	2	0.02	0.019	0.023	0.019	0.019	0.02	0.016	0.015	0.016	0.014
	Annual Mean	10 down	2	0.005	0.005	0.006	0.004	0.004	0.005	0.004	0.004	0.003	0.004
Ozone	2nd Highest Daily Max	10 ns	1	0.099	0.125	0.105	0.111	0.098	0.115	0.1	0.1	0.089	0.108
	4th Highest Daily max 8-h	10 ns	1	0.09	0.086	0.083	0.088	0.081	0.094	0.084	0.089	0.07	0.091
PM10	90th Percentile	10 ns	3	30.333	28.333	31	25	28.667	29	27.667	26.333	25	29.667
	Weighted Annual Mean	10 ns	3	16.867	16.033	14.133	13.467	15.733	17.267	15.667	15.533	14.067	15.6
<b>NASHVILLE, TN</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	6.4	7.3	7.1	7.3	5	6.3	5.6	5.4	5.6	5.8
SO2	2nd Daily max	10 ns	2	0.028	0.063	0.041	0.025	0.049	0.059	0.035	0.029	0.029	0.026
	Annual Mean	10 down	2	0.008	0.01	0.007	0.005	0.006	0.006	0.005	0.004	0.004	0.004
NO2	Annual Mean	10 ns	1	0.014	0.012	0.02	0.014	0.012	0.013	0.011	0.019	0.019	0.018
Ozone	2nd Highest Daily Max	10 ns	2	0.1	0.113	0.107	0.115	0.11	0.126	0.116	0.12	0.107	0.097
	4th Highest Daily max 8-h	10 ns	2	0.079	0.085	0.088	0.093	0.087	0.099	0.098	0.095	0.083	0.078
PM10	90th Percentile	10 ns	2	50	44	50	49	44	50	47.5	45.5	47	46
	Weighted Annual Mean	10 down	2	32.3	29.2	29.85	31	29.1	29.7	28.95	27.9	30.4	27.35
<b>NASSAU-SUFFOLK, NY</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.6	5.6	5.4	5	4.9	4.7	4	4.5	4.5	4.5
SO2	2nd Daily max	10 down	1	0.037	0.033	0.038	0.03	0.031	0.029	0.022	0.027	0.025	0.024
	Annual Mean	10 down	1	0.008	0.007	0.008	0.006	0.006	0.005	0.005	0.006	0.006	0.005
NO2	Annual Mean	10 down	1	0.026	0.026	0.028	0.025	0.026	0.025	0.022	0.025	0.024	0.024
PM10	90th Percentile	10 down	1	33	30	41	37	29	35	29	25	29	26
	Weighted Annual Mean	10 down	1	20.4	19.4	23.9	20.1	17.9	21.3	18.1	15.9	17	17.4
<b>NEW BEDFORD, MA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.109	0.088	0.096	0.138	0.118	0.123	0.101	0.125	0.101	0.136
	4th Highest Daily max 8-h	10 ns	1	0.087	0.073	0.077	0.107	0.092	0.092	0.083	0.098	0.082	0.101

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>NEW HAVEN-MERIDEN, CT</b>													
SO2	2nd Daily max	10 down	1	0.052	0.044	0.056	0.038	0.031	0.032	0.031	0.027	0.031	0.037
	Annual Mean	10 down	1	0.012	0.009	0.01	0.008	0.008	0.006	0.006	0.007	0.006	0.007
NO2	Annual Mean	10 ns	1	0.025	0.027	0.03	0.025	0.026	0.024	0.027	0.026	0.025	0.027
Ozone	2nd Highest Daily Max	10 ns	2	0.115	0.137	0.137	0.144	0.113	0.136	0.124	0.136	0.132	0.137
	4th Highest Daily max 8-h	10 ns	2	0.084	0.094	0.088	0.105	0.085	0.099	0.088	0.098	0.09	0.096
PM10	90th Percentile	10 ns	2	47.5	48	61.5	48.5	40	38.5	35.5	38	38.5	43.5
	Weighted Annual Mean	10 down	2	28.3	28.05	34	26.7	24.35	24.95	23.95	23.5	24.15	24.85
<b>NEW LONDON-NORWICH, CT-RI</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.12	0.126	0.118	0.14	0.121	0.15	0.116	0.127	0.135	0.11
	4th Highest Daily max 8-h	10 ns	1	0.088	0.099	0.093	0.101	0.095	0.104	0.083	0.096	0.084	0.09
PM10	90th Percentile	10 down	1	34	32	40	31	31	30	29	25	26	32
	Weighted Annual Mean	10 down	1	19.3	18.8	22.7	17.6	19.4	18.9	18	16.5	16.2	17.1
<b>NEW ORLEANS, LA</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.049	0.074	0.121	0.411	0.093	0.055	0.115	0.078	0.115	0.103
CO	2nd max (daily, non-overlap)	10 down	1	5.6	5.2	4.3	3.1	4	3.2	3	3.1	4	3.6
SO2	2nd Daily max	10 ns	1	0.019	0.025	0.027	0.022	0.035	0.017	0.026	0.023	0.02	0.026
	Annual Mean	10 ns	1	0.005	0.006	0.008	0.007	0.006	0.005	0.004	0.005	0.005	0.005
NO2	Annual Mean	10 ns	1	0.023	0.019	0.02	0.021	0.018	0.018	0.02	0.022	0.019	0.02
Ozone	2nd Highest Daily Max	10 ns	2	0.098	0.109	0.112	0.102	0.103	0.096	0.115	0.104	0.115	0.101
	4th Highest Daily max 8-h	10 ns	2	0.08	0.083	0.084	0.083	0.086	0.078	0.086	0.086	0.091	0.08
<b>NEW YORK, NY</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.027	0.029	0.031	0.024	0.024	0.022	0.021	0.022	0.023	0.024
CO	2nd max (daily, non-overlap)	10 down	2	6.1	5.25	5.65	6.65	5	3.75	4.05	4.25	3.55	2.9
SO2	2nd Daily max	10 down	2	0.036	0.031	0.037	0.031	0.031	0.028	0.026	0.028	0.031	0.026
	Annual Mean	10 down	2	0.011	0.01	0.01	0.009	0.009	0.007	0.007	0.008	0.008	0.008
NO2	Annual Mean	10 ns	1	0.036	0.043	0.046	0.042	0.042	0.04	0.04	0.041	0.038	0.038
Ozone	2nd Highest Daily Max	10 ns	2	0.115	0.115	0.12	0.126	0.12	0.138	0.121	0.139	0.108	0.126
	4th Highest Daily max 8-h	10 ns	2	0.091	0.091	0.095	0.095	0.088	0.109	0.092	0.101	0.087	0.095
PM10	90th Percentile	10 ns	1	31	35	34	30	31	30	29	35	31	28
	Weighted Annual Mean	10 down	1	19.2	19.7	20.7	19.1	20	19.6	17.5	16.2	18.8	16.1
<b>NEWARK, NJ</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.8	6	11.3	7.7	6	5.1	5.1	6.6	4.7	4.8
SO2	2nd Daily max	10 down	2	0.047	0.025	0.033	0.026	0.027	0.025	0.021	0.022	0.023	0.023
	Annual Mean	10 ns	2	0.009	0.007	0.007	0.005	0.006	0.006	0.006	0.006	0.006	0.006
NO2	Annual Mean	10 ns	2	0.026	0.024	0.027	0.025	0.026	0.026	0.027	0.026	0.026	0.026
Ozone	2nd Highest Daily Max	10 ns	1	0.107	0.121	0.119	0.125	0.114	0.111	0.119	0.119	0.11	0.121
	4th Highest Daily max 8-h	10 ns	1	0.091	0.104	0.094	0.11	0.093	0.097	0.097	0.102	0.09	0.101
PM10	90th Percentile	10 ns	1	46	59	62	48	52	51	49	55	54	50
	Weighted Annual Mean	10 ns	1	28.1	33.7	36.7	28.9	35.6	32	31.2	32.7	35.3	32.4
<b>NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA-N</b>													
CO	2nd max (daily, non-overlap)	10 ns	2	4.75	5.55	6.3	4.7	5.05	3.7	5.55	4.25	3.65	3.85
SO2	2nd Daily max	10 down	2	0.024	0.026	0.024	0.022	0.022	0.025	0.02	0.018	0.02	0.021
	Annual Mean	10 down	2	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.005
NO2	Annual Mean	10 down	1	0.02	0.021	0.019	0.018	0.018	0.019	0.019	0.017	0.016	0.018
Ozone	2nd Highest Daily Max	10 ns	1	0.123	0.123	0.101	0.099	0.097	0.113	0.104	0.135	0.094	0.1
	4th Highest Daily max 8-h	10 ns	1	0.085	0.095	0.085	0.082	0.083	0.097	0.09	0.097	0.081	0.085
PM10	90th Percentile	10 ns	1	36	38	32	34	33	37	37	32	36	28
	Weighted Annual Mean	10 ns	1	21.6	22.2	20.6	19.9	20.9	21.6	22.1	19.3	20.4	18.6

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>OAKLAND, CA</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.011	0.015	0.012	0.009	0.009	0.005	0.006	0.007	0.012	0.005
CO	2nd max (daily, non-overlap)	10 down	4	4.15	3.65	3.85	2.95	3.1	3.175	3.15	3.375	2.65	2.725
SO2	2nd Daily max	10 ns	3	0.008	0.009	0.007	0.007	0.008	0.008	0.011	0.013	0.01	0.008
	Annual Mean	10 ns	3	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 down	3	0.019	0.019	0.02	0.019	0.018	0.017	0.017	0.018	0.016	0.016
Ozone	2nd Highest Daily Max	10 ns	4	0.095	0.108	0.098	0.125	0.104	0.088	0.095	0.099	0.088	0.099
	4th Highest Daily max 8-h	10 ns	4	0.065	0.07	0.066	0.077	0.073	0.057	0.066	0.068	0.059	0.066
PM10	90th Percentile	10 down	2	41.5	42.5	42	35	32.5	31.5	29	37.5	31	31
	Weighted Annual Mean	10 down	2	24.8	24.6	23.9	20.35	19.85	21	19.35	22.1	19.15	21.4
<b>OKLAHOMA CITY, OK</b>													
CO	2nd max (daily, non-overlap)	10 down	2	4.3	5.15	4.25	3.8	3.95	4	3.35	3.35	3.1	2.8
NO2	Annual Mean	10 ns	3	0.011	0.011	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012
Ozone	2nd Highest Daily Max	10 ns	3	0.094	0.096	0.096	0.111	0.096	0.099	0.107	0.09	0.094	0.095
	4th Highest Daily max 8-h	10 ns	3	0.074	0.072	0.081	0.086	0.079	0.081	0.086	0.08	0.082	0.08
PM10	90th Percentile	10 ns	1	36	39	35	42	49	42	42.333	42.667	43	38
	Weighted Annual Mean	10 ns	1	23.1	23.9	23.3	22.8	27.4	23.8	24.3	24.8	25.3	22.9
<b>OLYMPIA, WA</b>													
PM10	90th Percentile	10 down	1	42	49	30	35	30	36	22	26	31	26
	Weighted Annual Mean	10 down	1	23.8	23.8	17.7	16.8	15.4	16	14.1	14.4	15.4	15.4
<b>OMAHA, NE-IA</b>													
CO	2nd max (daily, non-overlap)	10 ns	1	7.4	7.3	4.2	7.5	6.9	5.4	7.7	8.8	3	3.8
Ozone	2nd Highest Daily Max	10 ns	2	0.082	0.062	0.077	0.081	0.071	0.077	0.083	0.086	0.08	0.073
	4th Highest Daily max 8-h	10 ns	2	0.067	0.052	0.064	0.067	0.059	0.067	0.068	0.069	0.068	0.06
PM10	90th Percentile	10 ns	2	67.5	57	59	62	60	75	64	66	56.5	70
	Weighted Annual Mean	10 ns	2	39.2	36.25	36.65	33.85	40.2	41.2	37.2	38.25	37.2	43.45
<b>ORANGE COUNTY, CA</b>													
CO	2nd max (daily, non-overlap)	10 down	2	8.45	6.65	7.95	6.3	6.35	5.2	5.7	5.675	5.45	4.1
SO2	2nd Daily max	10 down	1	0.008	0.006	0.005	0.005	0.004	0.006	0.005	0.005	0.005	0.004
	Annual Mean	10 ns	1	0.002	0.002	0.002	0.003	0.001	0.001	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 down	2	0.031	0.03	0.032	0.031	0.027	0.026	0.026	0.027	0.025	0.022
Ozone	2nd Highest Daily Max	10 down	2	0.165	0.14	0.131	0.117	0.105	0.097	0.126	0.108	0.1	0.094
	4th Highest Daily max 8-h	10 down	2	0.099	0.084	0.085	0.078	0.075	0.071	0.08	0.073	0.071	0.068
PM10	90th Percentile	10 ns	1	58	63	54	74	57	58	53	89	59	55
	Weighted Annual Mean	10 ns	1	40	38.3	37.5	43.5	35.2	38.8	35.8	44.3	39.5	36
<b>ORLANDO, FL</b>													
CO	2nd max (daily, non-overlap)	10 down	2	3.85	3.8	3.6	3.3	3.25	3.55	2.95	2.75	2.5	2.05
SO2	2nd Daily max	10 ns	1	0.007	0.011	0.012	0.006	0.008	0.006	0.007	0.007	0.009	0.008
	Annual Mean	10 ns	1	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002
NO2	Annual Mean	10 ns	1	0.011	0.012	0.011	0.01	0.013	0.013	0.011	0.012	0.012	0.012
Ozone	2nd Highest Daily Max	10 ns	2	0.097	0.096	0.102	0.093	0.096	0.092	0.112	0.098	0.102	0.101
	4th Highest Daily max 8-h	10 ns	2	0.071	0.071	0.08	0.071	0.075	0.077	0.087	0.082	0.079	0.078
PM10	90th Percentile	10 ns	2	33.5	33.5	30.5	30.5	35.5	31	35	32.5	33	30.5
	Weighted Annual Mean	10 ns	2	23.45	23	22.2	20.95	23.15	22.35	24.05	22.95	22.95	22.8

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area	Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
<b>OWENSBORO, KY</b>													
SO2	2nd Daily max	10 down	1	0.053	0.05	0.035	0.028	0.02	0.027	0.023	0.024	0.017	0.019
	Annual Mean	10 down	1	0.009	0.009	0.009	0.007	0.007	0.007	0.007	0.006	0.005	0.004
NO2	Annual Mean	10 ns	1	0.012	0.012	0.012	0.013	0.011	0.012	0.013	0.011	0.011	0.01
Ozone	2nd Highest Daily Max	10 ns	1	0.085	0.106	0.107	0.109	0.107	0.108	0.11	0.102	0.082	0.086
	4th Highest Daily max 8-h	10 ns	1	0.075	0.081	0.092	0.088	0.086	0.087	0.086	0.09	0.074	0.073
PM10	90th Percentile	10 down	1	42	43	42	42	40	39	40	38	32	34
	Weighted Annual Mean	10 down	1	25.6	25.6	25.6	24.8	23.4	22.8	23.1	22	20	20.6
<b>PANAMA CITY, FL</b>													
PM10	90th Percentile	10 ns	1	46	46	34	37	31	38	41	35	37	31
	Weighted Annual Mean	10 ns	1	29.3	29.3	22.6	23.4	21.9	25.1	24.8	24.8	24.2	22
<b>PARKERSBURG-MARIETTA, WV-OH</b>													
SO2	2nd Daily max	10 ns	1	0.059	0.065	0.084	0.041	0.046	0.052	0.089	0.058	0.036	0.035
	Annual Mean	10 ns	1	0.014	0.014	0.017	0.01	0.01	0.01	0.013	0.013	0.011	0.009
Ozone	2nd Highest Daily Max	10 down	2	0.156	0.114	0.113	0.117	0.107	0.106	0.113	0.121	0.104	0.106
	4th Highest Daily max 8-h	10 ns	2	0.08	0.092	0.095	0.097	0.088	0.085	0.093	0.096	0.085	0.085
PM10	90th Percentile	10 down	1	46	51	51	40	34	39	44	36	39	37
	Weighted Annual Mean	10 down	1	27.2	29.2	27.3	25.3	22.7	23.1	23.1	20.5	21.4	22.1
<b>PENSACOLA, FL</b>													
SO2	2nd Daily max	10 ns	2	0.063	0.047	0.045	0.023	0.024	0.031	0.023	0.024	0.027	0.025
	Annual Mean	10 down	2	0.008	0.006	0.005	0.003	0.004	0.004	0.004	0.004	0.004	0.003
Ozone	2nd Highest Daily Max	10 ns	2	0.104	0.102	0.108	0.117	0.098	0.11	0.121	0.102	0.113	0.093
	4th Highest Daily max 8-h	10 ns	2	0.087	0.08	0.085	0.083	0.079	0.085	0.095	0.084	0.09	0.079
PM10	90th Percentile	10 ns	2	39	39	34.5	31.5	31	41.5	36.5	37	32	29.5
	Weighted Annual Mean	10 down	2	25.8	25.8	23	21.7	20	23.7	21.4	22.8	21.25	20.4
<b>PEORIA-PEKIN, IL</b>													
Pb	Maximum Quarterly Value	10 down	1	0.024	0.032	0.019	0.026	0.024	0.019	0.017	0.017	0.018	0.019
CO	2nd max (daily, non-overlap)	10 down	1	7.2	7.3	5.7	5.6	4.6	4.7	5.8	4.6	3.4	3.5
SO2	2nd Daily max	10 ns	1	0.05	0.042	0.063	0.109	0.043	0.044	0.037	0.035	0.063	0.077
	Annual Mean	10 down	1	0.007	0.007	0.008	0.008	0.007	0.007	0.006	0.005	0.005	0.006
Ozone	2nd Highest Daily Max	10 ns	2	0.09	0.079	0.089	0.094	0.089	0.086	0.085	0.098	0.083	0.081
	4th Highest Daily max 8-h	10 ns	2	0.075	0.064	0.076	0.082	0.081	0.072	0.076	0.082	0.072	0.074
PM10	90th Percentile	10 ns	1	42	35	39	38	31	41	42	40	43	36
	Weighted Annual Mean	10 ns	1	25.1	19.6	20.6	20.1	20.6	26.2	25.5	23.1	24.3	22.3
<b>PHILADELPHIA, PA-NJ</b>													
Pb	Maximum Quarterly Value	10 down	2	0.064	0.076	0.06	0.058	0.05	0.045	0.037	0.039	0.049	0.031
CO	2nd max (daily, non-overlap)	10 down	2	5.35	5.95	5.4	3.95	4.35	3.25	3.15	3.5	3.65	3.2
SO2	2nd Daily max	10 down	4	0.039	0.033	0.045	0.029	0.027	0.03	0.028	0.025	0.024	0.027
	Annual Mean	10 down	4	0.009	0.01	0.01	0.007	0.007	0.008	0.007	0.007	0.007	0.007
NO2	Annual Mean	10 down	4	0.028	0.027	0.029	0.027	0.028	0.027	0.027	0.025	0.025	0.025
Ozone	2nd Highest Daily Max	10 ns	2	0.107	0.119	0.114	0.129	0.121	0.123	0.119	0.128	0.117	0.118
	4th Highest Daily max 8-h	10 ns	2	0.087	0.096	0.09	0.106	0.091	0.1	0.096	0.103	0.089	0.098
PM10	90th Percentile	10 ns	1	40	48	50	46	44	41	40	32	44	47
	Weighted Annual Mean	10 ns	1	25.6	27	28.5	26.7	26.8	25.7	22.8	19.1	25.6	25.7

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>PHOENIX-MESA, AZ</b>													
CO	2nd max (daily, non-overlap)	10 down	2	6.9	6.5	7.25	6.1	5.95	5.2	6.35	5.5	5.15	4.55
SO <sub>2</sub>	2nd Daily max	10 ns	1	0.01	0.009	0.009	0.008	0.017	0.009	0.011	0.012	0.012	0.009
	Annual Mean	10 ns	1	0.004	0.003	0.003	0.002	0.003	0.004	0.004	0.003	0.003	0.003
NO <sub>2</sub>	Annual Mean	10 up	1	0.014	0.019	0.024	0.029	0.029	0.028	0.028	0.031	0.029	0.026
Ozone	2nd Highest Daily Max	10 ns	2	0.108	0.116	0.108	0.123	0.111	0.105	0.113	0.109	0.103	0.098
	4th Highest Daily max 8-h	10 ns	2	0.081	0.081	0.077	0.088	0.088	0.085	0.088	0.088	0.084	0.081
PM <sub>10</sub>	90th Percentile	10 ns	2	64	56	62	64.5	64	67	59.5	73.5	69	54
	Weighted Annual Mean	10 ns	2	40.45	38.55	38.85	39.9	39.9	43.75	33.65	42.4	44.45	35.55
<b>PITTSBURGH, PA</b>													
Pb	Maximum Quarterly Value	10 down	1	0.145	0.134	0.171	0.115	0.058	0.075	0.061	0.081	0.07	0.057
SO <sub>2</sub>	2nd Daily max	10 down	2	0.082	0.08	0.087	0.073	0.064	0.062	0.074	0.08	0.064	0.06
	Annual Mean	10 ns	2	0.015	0.016	0.016	0.014	0.014	0.013	0.014	0.013	0.012	0.014
NO <sub>2</sub>	Annual Mean	10 ns	1	0.024	0.024	0.027	0.023	0.024	0.022	0.026	0.024	0.022	0.021
Ozone	2nd Highest Daily Max	10 ns	2	0.098	0.114	0.111	0.118	0.104	0.107	0.116	0.129	0.096	0.103
	4th Highest Daily max 8-h	10 ns	2	0.079	0.091	0.096	0.099	0.089	0.086	0.094	0.095	0.079	0.088
<b>PITTSFIELD, MA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.109	0.112	0.085	0.086	0.108	0.087	0.078	0.092	0.088	0.112
	4th Highest Daily max 8-h	10 ns	1	0.087	0.083	0.074	0.072	0.081	0.078	0.069	0.075	0.072	0.092
<b>POCATELLO, ID</b>													
PM <sub>10</sub>	90th Percentile	10 ns	1	48	56	50	40	46	39	37	48	45	48
	Weighted Annual Mean	10 ns	1	37.9	39.4	30.5	23.2	24.4	22.9	22.4	25.3	24.8	26.1
<b>PORTLAND, ME</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.118	0.112	0.122	0.116	0.1	0.13	0.12	0.105	0.077	0.116
	4th Highest Daily max 8-h	10 ns	1	0.097	0.089	0.088	0.096	0.083	0.103	0.089	0.076	0.067	0.097
PM <sub>10</sub>	90th Percentile	10 ns	1	39	51	46	69	43	51	46	33	46	46
	Weighted Annual Mean	10 ns	1	23.9	29	26.5	34.3	27.1	29.3	26.7	21.4	23.7	25.6
<b>PORTLAND-VANCOUVER, OR-WA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	7.8	6.8	7.8	6.3	6.4	6	5.5	6.7	6.2	4.7
Ozone	2nd Highest Daily Max	10 ns	1	0.107	0.082	0.106	0.092	0.124	0.079	0.136	0.094	0.082	0.093
	4th Highest Daily max 8-h	10 ns	1	0.094	0.062	0.078	0.073	0.099	0.062	0.081	0.072	0.065	0.069
PM <sub>10</sub>	90th Percentile	10 down	3	36.667	39	32.333	26.667	29	27.667	24	26	27	24
	Weighted Annual Mean	10 down	3	20	20.4	18.833	15.733	16.967	17.3	15.133	14.933	15.567	15.067
<b>PORTSMOUTH-ROCHESTER, NH-ME</b>													
SO <sub>2</sub>	2nd Daily max	10 down	1	0.027	0.019	0.022	0.017	0.015	0.018	0.016	0.019	0.013	0.013
	Annual Mean	10 down	1	0.006	0.006	0.006	0.004	0.004	0.004	0.004	0.004	0.003	0.003
NO <sub>2</sub>	Annual Mean	10 down	1	0.013	0.014	0.013	0.012	0.013	0.013	0.012	0.01	0.011	0.011
Ozone	2nd Highest Daily Max	10 ns	1	0.105	0.106	0.108	0.117	0.098	0.12	0.108	0.11	0.084	0.084
	4th Highest Daily max 8-h	10 ns	1	0.086	0.082	0.086	0.085	0.079	0.089	0.084	0.089	0.067	0.067
PM <sub>10</sub>	90th Percentile	10 ns	2	31.5	32.5	27	26	26.5	29	26.5	29	24	28.5
	Weighted Annual Mean	10 ns	2	18.9	18.2	14.2	14.9	16.3	17.05	15.85	15.75	13.65	15.55
<b>PROVIDENCE-FALL RIVER-WARWICK, RI-MA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6.3	5.4	6.7	7	4.4	5.6	4.7	3.9	3.5	3.8
SO <sub>2</sub>	2nd Daily max	10 down	2	0.041	0.036	0.035	0.027	0.032	0.035	0.026	0.026	0.025	0.03
	Annual Mean	10 down	2	0.01	0.009	0.009	0.006	0.008	0.007	0.007	0.007	0.006	0.006
NO <sub>2</sub>	Annual Mean	10 ns	1	0.023	0.022	0.022	0.022	0.025	0.025	0.025	0.024	0.02	0.02
Ozone	2nd Highest Daily Max	10 ns	1	0.12	0.12	0.12	0.131	0.112	0.108	0.098	0.108	0.115	0.128
	4th Highest Daily max 8-h	10 ns	1	0.089	0.089	0.089	0.096	0.083	0.084	0.077	0.08	0.08	0.102

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>PROVO-OREM, UT</b>													
NO2	Annual Mean	10 ns	1	0.02	0.026	0.024	0.023	0.024	0.023	0.024	0.024	0.024	0.024
Ozone	2nd Highest Daily Max	10 ns	2	0.089	0.087	0.087	0.089	0.101	0.089	0.108	0.096	0.089	0.09
	4th Highest Daily max 8-h	10 ns	2	0.071	0.069	0.07	0.071	0.08	0.073	0.087	0.078	0.074	0.072
PM10	90th Percentile	10 ns	2	68	71.5	55	48.5	56.5	49.5	44	51.5	52	53
	Weighted Annual Mean	10 down	2	37.2	37.5	34.25	28.8	33.7	30	26.25	29.6	29.1	31.4
<b>RACINE, WI</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.9	4.1	4.3	4.3	3	3.1	3	2.7	2.3	2.1
Ozone	2nd Highest Daily Max	10 ns	1	0.102	0.103	0.114	0.113	0.129	0.117	0.124	0.114	0.096	0.115
	4th Highest Daily max 8-h	10 ns	1	0.08	0.08	0.088	0.096	0.083	0.098	0.084	0.093	0.078	0.092
<b>RALEIGH-DURHAM-CHAPEL HILL, NC</b>													
Ozone	2nd Highest Daily Max	10 ns	5	0.103	0.105	0.102	0.1	0.097	0.108	0.114	0.12	0.11	0.104
	4th Highest Daily max 8-h	10 ns	5	0.083	0.086	0.082	0.083	0.081	0.092	0.095	0.094	0.087	0.085
PM10	90th Percentile	10 ns	2	35.5	39	31	33.5	39	39.5	40	36.5	35.5	37
	Weighted Annual Mean	10 ns	2	24	24.75	21.8	23.3	25.1	24.6	24.4	22.15	23.05	23.15
<b>READING, PA</b>													
SO2	2nd Daily max	10 ns	1	0.028	0.027	0.037	0.032	0.037	0.028	0.022	0.027	0.028	0.025
	Annual Mean	10 ns	1	0.008	0.009	0.01	0.009	0.009	0.008	0.009	0.008	0.008	0.007
NO2	Annual Mean	10 ns	1	0.02	0.021	0.023	0.021	0.022	0.021	0.021	0.021	0.02	0.02
Ozone	2nd Highest Daily Max	10 up	1	0.098	0.105	0.102	0.116	0.11	0.12	0.106	0.123	0.105	0.125
	4th Highest Daily max 8-h	10 ns	1	0.084	0.085	0.085	0.095	0.088	0.095	0.092	0.102	0.084	0.099
<b>REDDING, CA</b>													
PM10	90th Percentile	10 down	1	47	47	47	47	39	37	46	40	37	41
	Weighted Annual Mean	10 down	1	29.9	29.9	29.9	25.2	24.1	22.2	23.4	28.5	23.6	23.6
<b>RENO, NV</b>													
CO	2nd max (daily, non-overlap)	10 ns	3	6.3	5.267	6.467	4.533	5.567	5.3	5.033	5.733	3.567	3.767
Ozone	2nd Highest Daily Max	10 ns	2	0.085	0.089	0.083	0.081	0.094	0.082	0.091	0.091	0.085	0.088
	4th Highest Daily max 8-h	10 ns	2	0.068	0.062	0.068	0.068	0.073	0.067	0.073	0.075	0.067	0.072
PM10	90th Percentile	10 ns	3	62.333	72	67.333	55	57.333	60.333	59.667	59.667	62.333	58.667
	Weighted Annual Mean	10 ns	3	36.8	42.467	38.9	34.433	31.9	33.9	33.033	38.767	32.867	33.167
<b>RICHLAND-KENNEWICK-PASCO, WA</b>													
PM10	90th Percentile	10 up	1	27	27	27	34	38	33	30	42	40	38
	Weighted Annual Mean	10 up	1	15.1	15.1	15.1	17.8	20.3	19.4	19.9	20.8	24	23.5
<b>RICHMOND-PETERSBURG, VA</b>													
SO2	2nd Daily max	10 down	1	0.02	0.032	0.024	0.023	0.022	0.017	0.019	0.017	0.017	0.019
	Annual Mean	10 ns	1	0.006	0.007	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.005
NO2	Annual Mean	10 ns	1	0.01	0.01	0.012	0.011	0.01	0.012	0.012	0.011	0.011	0.012
Ozone	2nd Highest Daily Max	10 ns	1	0.122	0.132	0.101	0.106	0.104	0.123	0.116	0.133	0.094	0.119
	4th Highest Daily max 8-h	10 ns	1	0.083	0.1	0.082	0.088	0.084	0.1	0.092	0.097	0.076	0.089
PM10	90th Percentile	10 ns	1	39	45	36	43	44	39	39	28	38	35
	Weighted Annual Mean	10 ns	1	22.8	24.2	22.1	24.3	23.8	22.7	23.4	18.6	22.2	20.4
<b>RIVERSIDE-SAN BERNARDINO, CA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	6	5.8	6	5.8	5	4.8	4.6	4.1	4.2	3.6
SO2	2nd Daily max	10 ns	1	0.006	0.01	0.004	0.004	0.004	0.005	0.009	0.009	0.012	0.008
	Annual Mean	10 ns	1	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.002
NO2	Annual Mean	10 ns	2	0.035	0.036	0.036	0.038	0.033	0.03	0.029	0.032	0.03	0.031
Ozone	2nd Highest Daily Max	10 down	2	0.255	0.225	0.229	0.225	0.202	0.163	0.212	0.15	0.173	0.168
	4th Highest Daily max 8-h	10 down	2	0.181	0.164	0.156	0.156	0.143	0.119	0.16	0.117	0.12	0.127
PM10	90th Percentile	10 ns	3	68.667	78	71	75.333	71.333	70	69	73.333	70.333	77.667
	Weighted Annual Mean	10 ns	3	45.333	49.7	46.633	46.2	46.733	45.467	43.5	50.6	46.1	50.533

**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>ROANOKE, VA</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.5	4.5	5.7	5.2	5.9	4.3	3.9	3.7	3.1	3.4
SO2	2nd Daily max	10 ns	1	0.016	0.018	0.011	0.01	0.014	0.013	0.009	0.01	0.014	0.009
	Annual Mean	10 ns	1	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
NO2	Annual Mean	10 ns	1	0.013	0.015	0.013	0.013	0.013	0.013	0.014	0.012	0.011	0.014
Ozone	2nd Highest Daily Max	10 ns	1	0.089	0.103	0.102	0.093	0.084	0.102	0.126	0.105	0.095	0.101
	4th Highest Daily max 8-h	10 ns	1	0.072	0.084	0.084	0.079	0.073	0.084	0.099	0.089	0.081	0.089
PM10	90th Percentile	10 ns	1	53	58	63	64	71	64	54	54	57	42
	Weighted Annual Mean	10 down	1	34.6	37.3	40	40.3	37.9	34.6	33.3	34.7	31.5	26.6
<b>ROCHESTER, NY</b>													
CO	2nd max (daily, non-overlap)	10 down	1	3.7	3.6	4.7	3.4	3.9	1.9	3.1	2.6	2.6	1.8
SO2	2nd Daily max	10 down	2	0.039	0.041	0.043	0.038	0.033	0.038	0.053	0.03	0.021	0.025
	Annual Mean	10 down	2	0.011	0.01	0.011	0.01	0.009	0.009	0.009	0.006	0.006	0.007
Ozone	2nd Highest Daily Max	10 ns	2	0.09	0.094	0.094	0.107	0.085	0.099	0.096	0.099	0.084	0.1
	4th Highest Daily max 8-h	10 ns	2	0.076	0.078	0.079	0.093	0.069	0.085	0.081	0.089	0.072	0.085
<b>ROCKFORD, IL</b>													
CO	2nd max (daily, non-overlap)	10 down	1	4.6	4.3	4	4.5	3.2	3.7	3.6	3.8	2.9	2.9
Ozone	2nd Highest Daily Max	10 ns	1	0.091	0.079	0.101	0.104	0.089	0.08	0.085	0.093	0.084	0.086
	4th Highest Daily max 8-h	10 ns	1	0.081	0.062	0.079	0.084	0.077	0.071	0.073	0.082	0.069	0.078
<b>SACRAMENTO, CA</b>													
Pb	Maximum Quarterly Value	10 down	1	0.01	0.01	0.007	0.005	0.006	0.005	0.046	0.005	0.005	0.005
CO	2nd max (daily, non-overlap)	10 down	3	4.3	4.467	5.567	3.6	3.5	3.667	3.633	3.667	3.1	3.333
SO2	2nd Daily max	10 ns	2	0.01	0.004	0.005	0.005	0.004	0.005	0.01	0.008	0.01	0.01
	Annual Mean	10 up	2	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.002
NO2	Annual Mean	10 down	3	0.017	0.017	0.015	0.015	0.014	0.013	0.015	0.014	0.015	0.014
Ozone	2nd Highest Daily Max	10 ns	3	0.13	0.13	0.111	0.138	0.127	0.102	0.149	0.12	0.12	0.116
	4th Highest Daily max 8-h	10 ns	3	0.096	0.093	0.09	0.099	0.099	0.081	0.097	0.089	0.091	0.091
PM10	90th Percentile	10 down	2	48	48	41	45	37	36.5	39.5	42.5	38	35
	Weighted Annual Mean	10 ns	2	27.85	27.85	26.7	24.4	22.15	22.3	21.8	26.15	23.35	23.8
<b>ST. CLOUD, MN</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5	5	6.4	4.4	4	4	3.8	3.3	2.7	2.6
<b>ST. LOUIS, MO-IL</b>													
SO2	2nd Daily max	10 down	4	0.048	0.04	0.055	0.045	0.046	0.043	0.038	0.039	0.034	0.042
	Annual Mean	10 down	4	0.01	0.01	0.011	0.01	0.01	0.009	0.008	0.008	0.007	0.007
NO2	Annual Mean	10 ns	1	0.028	0.024	0.028	0.026	0.025	0.025	0.026	0.027	0.026	0.025
Ozone	2nd Highest Daily Max	10 ns	2	0.098	0.11	0.123	0.12	0.12	0.117	0.107	0.121	0.105	0.11
	4th Highest Daily max 8-h	10 ns	2	0.083	0.076	0.094	0.1	0.089	0.087	0.085	0.096	0.078	0.084
PM10	90th Percentile	10 ns	2	69	66.5	64	64.5	59.5	58	63.5	64	65	64.5
	Weighted Annual Mean	10 ns	2	40.65	37.2	37.3	35.6	34.45	33.2	36	35.6	36.5	37.05
<b>SALINAS, CA</b>													
Ozone	2nd Highest Daily Max	10 ns	1	0.08	0.09	0.09	0.08	0.089	0.078	0.073	0.074	0.084	0.078
	4th Highest Daily max 8-h	10 ns	1	0.067	0.077	0.068	0.064	0.07	0.061	0.057	0.063	0.063	0.063
PM10	90th Percentile	10 ns	1	25	25	24	23	23	21	17	26	19	23
	Weighted Annual Mean	10 ns	1	15.7	15.7	15.3	13.4	14.2	14.3	12.2	15.4	12.7	14.6



**Table A-16.** Metropolitan Statistical Area Air Quality Trends, 1992–2001 (continued)

Metropolitan Statistical Area		Trend	#Trend Sites	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
<b>SALT LAKE CITY-OGDEN, UT</b>													
Pb	Maximum Quarterly Value	10 ns	1	0.06	0.096	0.054	0.066	0.032	0.105	0.094	0.082	0.068	0.037
CO	2nd max (daily, non-overlap)	10 ns	1	6.4	6.4	6.4	6.7	7	6.4	7.5	6.2	6.1	4.9
SO <sub>2</sub>	2nd Daily max	10 down	1	0.073	0.052	0.014	0.012	0.021	0.011	0.01	0.01	0.013	0.013
	Annual Mean	10 down	1	0.013	0.009	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004
NO <sub>2</sub>	Annual Mean	10 ns	1	0.019	0.022	0.02	0.02	0.02	0.021	0.02	0.02	0.019	0.019
Ozone	2nd Highest Daily Max	10 ns	1	0.093	0.104	0.105	0.115	0.114	0.103	0.122	0.112	0.1	0.111
	4th Highest Daily max 8-h	10 ns	1	0.072	0.08	0.075	0.083	0.086	0.079	0.096	0.079	0.078	0.081
PM <sub>10</sub>	90th Percentile	10 down	1	90	86	81	76	82	72	69	80	81	72
	Weighted Annual Mean	10 down	1	50.8	50.3	46.8	44.6	47	43.9	40.4	45	46.4	44.3
<b>SAN ANTONIO, TX</b>													
CO	2nd max (daily, non-overlap)	10 down	1	5.2	5.3	3.3	4.3	4.5	4.4	4.6	4.2	2.7	2.7
Ozone	2nd Highest Daily Max	10 ns	1	0.095	0.111	0.101	0.121	0.11	0.103	0.107	0.109	0.094	0.089
	4th Highest Daily max 8-h	10 ns	1	0.067	0.084	0.083	0.095	0.082	0.084	0.089	0.091	0.077	0.078

- CO = Highest second maximum non-overlapping 8-hour concentration (*Applicable NAAQS is 9 ppm*)
- Pb = Highest quarterly maximum concentration (*Applicable NAAQS is 1.5 µg/m<sup>3</sup>*)
- NO<sub>2</sub> = Highest arithmetic mean concentration (*Applicable NAAQS is 0.053 ppm*)
- O<sub>3</sub> (1-hr) = Highest second daily maximum 1-hour concentration (*Applicable NAAQS is 0.12 ppm*)
- O<sub>3</sub> (8-hr) = Highest fourth daily maximum 8-hour concentration (*Applicable NAAQS is 0.08 ppm*)
- PM<sub>10</sub> = Highest second maximum 24-hour concentration (*Applicable NAAQS is 150 µg/m<sup>3</sup>*)
- SO<sub>2</sub> = Highest second maximum 24-hour concentration (*Applicable NAAQS is 0.14 ppm*)
- ppm = Units are parts per million
- µg/m<sup>3</sup> = Units are micrograms per cubic meter