

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for West Virginia

EPA strongly cautions that these modeling results should not be used to draw conclusions about local concentrations or risk. The results are most meaningful when viewed at the state or national scale. In addition, these results represent conditions in 1996 rather than current conditions.

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

				Estimated Annual Median Exposure Concentrations (ug/m3) for West Virginia												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
National	All	99999	-	2.33E-04	4.79E-02	5.20E-02	4.82E-01	7.21E-02	5.62E-04	4.83E-05	1.19E+00	8.35E-06	3.90E-05	6.41E-01	6.90E-02	5.15E-04
National	All Urban Counties	99998	U	3.50E-04	5.93E-02	6.60E-02	6.45E-01	8.89E-02	8.39E-04	6.25E-05	1.41E+00	1.08E-05	5.90E-05	6.41E-01	6.96E-02	8.25E-04
National	All Rural Counties	99998	R	3.62E-05	1.30E-02	7.09E-03	1.15E-01	3.03E-02	7.64E-05	1.01E-05	6.01E-01	1.09E-06	4.79E-06	6.40E-01	6.80E-02	5.05E-05
West Virginia	State Total	54000	-	9.68E-05	2.34E-02	1.66E-02	2.23E-01	4.61E-02	2.25E-04	2.62E-05	7.70E-01	2.40E-06	1.05E-05	6.41E-01	6.83E-02	1.20E-04
West Virginia	State Urban Counties	54000	U	1.33E-04	5.29E-02	3.87E-02	3.86E-01	7.33E-02	1.11E-03	8.70E-05	1.15E+00	6.59E-06	2.62E-05	6.41E-01	6.87E-02	3.86E-04
West Virginia	State Rural Counties	54000	R	5.11E-05	1.47E-02	8.90E-03	1.50E-01	3.94E-02	1.37E-04	8.84E-06	6.46E-01	1.09E-06	4.80E-06	6.41E-01	6.80E-02	4.58E-05
West Virginia	Barbour County	54001	R	1.42E-05	8.11E-03	4.92E-03	6.91E-02	2.54E-02	3.15E-05	4.92E-06	5.30E-01	4.79E-07	2.01E-06	6.41E-01	6.79E-02	1.67E-05
West Virginia	Berkeley County	54003	U	1.55E-04	1.96E-02	2.37E-02	2.87E-01	4.47E-02	2.95E-04	1.44E-02	8.03E-01	2.52E-06	9.23E-06	6.43E-01	6.85E-02	4.66E-05
West Virginia	Boone County	54005	R	2.53E-05	1.14E-02	8.47E-03	1.84E-01	4.61E-02	8.61E-05	8.52E-06	6.57E-01	9.02E-07	2.78E-06	6.36E-01	6.82E-02	3.39E-05
West Virginia	Braxton County	54007	R	8.78E-06	1.53E-02	4.77E-03	8.42E-02	3.87E-02	2.11E-05	1.65E-06	5.88E-01	4.31E-07	1.26E-06	6.40E-01	6.78E-02	8.64E-06
West Virginia	Brooke County	54009	R	5.55E-04	2.65E-02	1.97E-02	2.65E-01	4.36E-02	9.66E-04	7.40E-05	1.00E+00	6.02E-06	3.64E-05	6.41E-01	6.82E-02	7.62E-04
West Virginia	Cabell County	54011	U	1.31E-04	6.63E-02	5.70E-02	5.33E-01	7.56E-02	1.62E-03	9.03E-05	1.39E+00	7.67E-06	3.90E-05	6.40E-01	6.87E-02	1.01E-02
West Virginia	Calhoun County	54013	R	3.17E-06	8.93E-03	3.11E-03	7.43E-02	2.95E-02	1.20E-05	1.50E-06	5.51E-01	2.88E-07	1.98E-06	6.34E-01	6.80E-02	6.54E-06
West Virginia	Clay County	54015	R	2.13E-05	1.67E-02	5.79E-03	1.54E-01	4.59E-02	7.22E-05	5.30E-06	6.30E-01	6.65E-07	2.40E-06	6.42E-01	6.84E-02	1.86E-05
West Virginia	Doddridge County	54017	R	1.85E-05	9.24E-03	3.60E-03	7.71E-02	2.92E-02	8.76E-05	8.21E-06	5.41E-01	6.15E-07	1.22E-05	6.43E-01	6.78E-02	1.87E-05
West Virginia	Fayette County	54019	R	8.32E-05	2.00E-02	1.49E-02	1.97E-01	5.20E-02	1.74E-04	5.36E-06	7.37E-01	1.54E-06	3.73E-06	6.41E-01	6.82E-02	2.93E-05
West Virginia	Gilmer County	54021	R	1.81E-06	2.24E-02	4.89E-03	9.22E-02	4.66E-02	8.34E-06	1.46E-06	6.32E-01	4.64E-07	1.33E-06	6.40E-01	6.75E-02	9.70E-06
West Virginia	Grant County	54023	R	4.22E-06	5.94E-03	1.81E-03	3.72E-02	1.91E-02	1.27E-05	2.31E-06	4.90E-01	4.33E-07	9.57E-07	6.41E-01	6.78E-02	7.01E-06
West Virginia	Greenbrier County	54025	R	3.81E-05	7.41E-03	3.18E-03	5.66E-02	2.48E-02	7.43E-05	4.89E-06	5.10E-01	5.22E-07	2.01E-06	6.39E-01	6.80E-02	8.97E-06
West Virginia	Hampshire County	54027	R	4.15E-05	1.11E-02	5.18E-03	1.04E-01	3.59E-02	7.91E-05	6.51E-06	5.62E-01	5.79E-07	1.92E-06	6.44E-01	6.80E-02	1.33E-05
West Virginia	Hancock County	54029	U	2.93E-04	3.99E-02	3.02E-02	3.08E-01	4.78E-02	4.66E-04	7.78E-05	1.13E+00	6.93E-06	5.47E-05	6.40E-01	6.83E-02	7.53E-04
West Virginia	Hardy County	54031	R	7.02E-06	1.34E-02	3.79E-03	6.56E-02	3.18E-02	1.71E-05	4.12E-06	5.44E-01	5.77E-07	1.39E-06	6.41E-01	6.79E-02	8.42E-06
West Virginia	Harrison County	54033	R	1.58E-04	1.46E-02	1.24E-02	1.45E-01	3.21E-02	2.88E-04	9.24E-06	7.03E-01	1.53E-06	9.75E-06	6.40E-01	6.81E-02	3.80E-05
West Virginia	Jackson County	54035	R	2.47E-05	1.28E-02	8.60E-03	2.65E-01	4.45E-02	2.06E-03	1.77E-05	6.39E-01	1.42E-06	9.33E-06	6.39E-01	6.80E-02	1.24E-04
West Virginia	Jefferson County	54037	U	7.69E-05	1.84E-02	1.94E-02	3.02E-01	4.51E-02	1.84E-04	3.73E-03	8.18E-01	2.35E-06	7.59E-06	6.43E-01	6.84E-02	4.67E-05
West Virginia	Kanawha County	54039	U	1.27E-04	6.99E-02	5.16E-02	5.97E-01	9.46E-02	8.00E-04	9.58E-05	1.46E+00	7.46E-06	2.40E-05	6.40E-01	7.36E-02	2.68E-04
West Virginia	Lewis County	54041	R	1.34E-05	1.08E-02	6.07E-03	9.02E-02	2.75E-02	3.19E-05	5.28E-06	5.66E-01	8.56E-07	2.06E-06	6.42E-01	6.80E-02	1.74E-05
West Virginia	Lincoln County	54043	R	3.64E-05	8.38E-03	8.09E-03	2.28E-01	3.77E-02	1.17E-04	2.83E-05	6.78E-01	1.18E-06	4.93E-06	6.44E-01	6.91E-02	2.74E-04
West Virginia	Logan County	54045	R	3.85E-05	1.70E-02	1.06E-02	1.76E-01	4.66E-02	8.15E-05	3.16E-06	6.85E-01	1.02E-06	3.29E-06	6.43E-01	6.80E-02	1.89E-05
West Virginia	McDowell County	54047	R	3.22E-05	1.20E-02	7.03E-03	1.40E-01	3.94E-02	6.71E-05	5.88E-06	6.21E-01	6.10E-07	2.41E-06	6.39E-01	6.79E-02	2.95E-05
West Virginia	Marion County	54049	R	1.03E-04	2.47E-02	2.50E-02	2.05E-01	3.94E-02	1.96E-04	2.16E-05	7.67E-01	3.14E-06	1.12E-05	6.41E-01	6.82E-02	9.42E-05
West Virginia	Marshall County	54051	R	7.20E-05	3.13E-02	2.84E-02	2.43E-01	4.56E-02	1.50E-04	2.54E-05	8.51E-01	3.42E-06	2.65E-05	6.44E-01	6.79E-02	1.04E-04
West Virginia	Mason County	54053	R	3.65E-05	1.10E-02	9.72E-03	6.72E-01	3.52E-02	1.01E-04	1.83E-05	6.44E-01	1.18E-06	5.64E-06	6.39E-01	6.80E-02	4.76E-04
West Virginia	Mercer County	54055	R	9.71E-05	2.02E-02	1.62E-02	1.63E-01	3.89E-02	1.81E-04	1.23E-05	6.92E-01	1.67E-06	6.20E-06	6.40E-01	6.83E-02	2.25E-04

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State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
National	All	99999	-	0.00E+00	1.07E+00	6.08E-03	5.27E-02	1.25E-03	6.77E-01	7.51E-05	3.71E-08	1.54E-03	1.06E-03	1.33E-03	2.72E-01	7.43E-04
National	All Urban Counties	99998	U	0.00E+00	1.30E+00	6.08E-03	5.28E-02	1.80E-03	8.22E-01	7.51E-05	6.61E-08	2.50E-03	1.32E-03	1.40E-03	3.22E-01	1.10E-03
National	All Rural Counties	99998	R	0.00E+00	4.63E-01	6.08E-03	5.26E-02	1.05E-04	3.45E-01	7.51E-05	9.29E-10	1.45E-04	2.38E-04	1.21E-03	1.40E-01	8.37E-05
West Virginia	State Total	54000	-	0.00E+00	8.10E-01	6.08E-03	5.25E-02	4.33E-04	4.70E-01	7.50E-05	6.45E-09	3.08E-04	4.00E-04	1.25E-03	1.56E-01	1.28E-04
West Virginia	State Urban Counties	54000	U	0.00E+00	1.54E+00	6.08E-03	5.26E-02	2.59E-03	6.26E-01	7.51E-05	1.98E-07	6.38E-04	1.40E-03	1.33E-03	2.02E-01	4.63E-04
West Virginia	State Rural Counties	54000	R	0.00E+00	5.79E-01	6.08E-03	5.25E-02	1.94E-04	3.93E-01	7.50E-05	7.90E-10	1.61E-04	2.03E-04	1.22E-03	1.39E-01	5.71E-05
West Virginia	Barbour County	54001	R	0.00E+00	4.61E-01	6.07E-03	5.24E-02	7.76E-05	3.04E-01	7.50E-05	1.58E-10	1.49E-04	3.49E-04	1.20E-03	1.29E-01	1.79E-05
West Virginia	Berkeley County	54003	U	0.00E+00	9.79E-01	6.08E-03	5.27E-02	4.70E-04	4.90E-01	7.51E-05	2.14E-08	2.52E-04	2.51E-04	1.32E-03	1.72E-01	1.14E-04
West Virginia	Boone County	54005	R	0.00E+00	5.71E-01	6.08E-03	5.26E-02	1.02E-03	4.13E-01	7.51E-05	8.96E-10	6.85E-05	8.68E-05	1.21E-03	1.34E-01	3.05E-05
West Virginia	Braxton County	54007	R	0.00E+00	4.43E-01	6.08E-03	5.24E-02	6.52E-05	3.61E-01	7.50E-05	2.65E-14	2.89E-05	9.98E-05	1.19E-03	1.26E-01	1.29E-05
West Virginia	Brooke County	54009	R	3.88E-02	9.87E-01	6.07E-03	5.26E-02	6.19E-04	4.88E-01	7.49E-05	4.65E-08	2.12E-03	8.64E-03	1.27E-03	1.71E-01	3.66E-04
West Virginia	Cabell County	54011	U	4.60E-03	1.51E+00	6.08E-03	5.26E-02	2.55E-03	6.86E-01	7.50E-05	6.78E-08	1.13E-03	4.63E-03	1.34E-03	2.71E-01	3.93E-02
West Virginia	Calhoun County	54013	R	0.00E+00	5.00E-01	6.08E-03	5.29E-02	1.89E-05	3.20E-01	7.52E-05	2.53E-10	3.07E-05	4.86E-05	1.19E-03	1.27E-01	1.17E-05
West Virginia	Clay County	54015	R	0.00E+00	5.38E-01	6.09E-03	5.29E-02	5.98E-05	4.08E-01	7.52E-05	1.72E-09	6.78E-05	2.33E-04	1.21E-03	1.30E-01	2.21E-05
West Virginia	Doddridge County	54017	R	0.00E+00	5.01E-01	6.08E-03	5.24E-02	3.92E-05	3.34E-01	7.49E-05	5.11E-07	1.23E-04	5.86E-05	1.20E-03	1.28E-01	1.76E-05
West Virginia	Fayette County	54019	R	0.00E+00	5.58E-01	6.08E-03	5.24E-02	2.84E-04	4.76E-01	7.50E-05	9.43E-10	1.94E-04	1.74E-04	1.22E-03	1.47E-01	5.06E-05
West Virginia	Gilmer County	54021	R	0.00E+00	4.72E-01	6.08E-03	5.18E-02	1.37E-05	4.52E-01	7.47E-05	8.21E-12	1.94E-05	5.19E-05	1.20E-03	1.32E-01	2.18E-05
West Virginia	Grant County	54023	R	0.00E+00	4.63E-01	6.07E-03	5.24E-02	1.02E-04	2.58E-01	7.50E-05	1.52E-10	1.58E-05	4.70E-05	1.19E-03	1.24E-01	1.97E-05
West Virginia	Greenbrier County	54025	R	0.00E+00	3.83E-01	6.09E-03	5.26E-02	3.33E-05	2.85E-01	7.50E-05	8.48E-12	1.02E-04	8.21E-05	1.20E-03	1.28E-01	1.55E-05
West Virginia	Hampshire County	54027	R	0.00E+00	6.02E-01	6.08E-03	5.24E-02	6.71E-05	3.56E-01	7.50E-05	2.81E-11	1.61E-04	6.61E-05	1.20E-03	1.34E-01	2.85E-05
West Virginia	Hancock County	54029	U	3.88E-02	1.29E+00	6.08E-03	5.24E-02	4.15E-04	5.40E-01	7.49E-05	7.42E-08	1.79E-03	8.11E-03	1.30E-03	1.83E-01	6.76E-04
West Virginia	Hardy County	54031	R	0.00E+00	5.17E-01	6.09E-03	5.25E-02	1.40E-05	3.28E-01	7.50E-05	1.54E-11	2.38E-05	7.44E-05	1.19E-03	1.28E-01	5.41E-05
West Virginia	Harrison County	54033	R	0.00E+00	6.29E-01	6.08E-03	5.25E-02	3.16E-04	3.79E-01	7.50E-05	1.41E-09	2.32E-04	2.13E-04	1.23E-03	1.47E-01	6.29E-05
West Virginia	Jackson County	54035	R	0.00E+00	9.29E-01	6.08E-03	5.23E-02	4.22E-04	4.01E-01	7.50E-05	4.35E-09	1.37E-04	1.25E-03	1.21E-03	1.39E-01	7.98E-05
West Virginia	Jefferson County	54037	U	0.00E+00	1.13E+00	6.08E-03	5.24E-02	2.76E-04	5.18E-01	7.51E-05	3.35E-08	9.20E-04	2.41E-04	1.26E-03	1.79E-01	1.14E-04
West Virginia	Kanawha County	54039	U	0.00E+00	1.85E+00	6.08E-03	5.26E-02	1.83E-02	8.49E-01	7.51E-05	2.26E-07	5.36E-04	5.18E-04	1.36E-03	2.18E-01	3.65E-04
West Virginia	Lewis County	54041	R	0.00E+00	4.72E-01	6.08E-03	5.24E-02	2.55E-04	3.76E-01	7.51E-05	1.40E-11	9.19E-05	1.68E-04	1.20E-03	1.60E-01	4.05E-05
West Virginia	Lincoln County	54043	R	0.00E+00	6.88E-01	6.09E-03	5.24E-02	1.30E-03	3.89E-01	7.51E-05	1.93E-09	1.18E-04	1.65E-04	1.22E-03	1.37E-01	7.96E-04
West Virginia	Logan County	54045	R	0.00E+00	5.86E-01	6.08E-03	5.24E-02	2.59E-04	4.29E-01	7.49E-05	3.56E-11	5.65E-05	1.19E-04	1.21E-03	1.40E-01	4.00E-05
West Virginia	McDowell County	54047	R	5.21E-04	4.52E-01	6.08E-03	5.26E-02	9.04E-05	3.80E-01	7.49E-05	1.09E-11	5.88E-05	8.32E-04	1.20E-03	1.31E-01	2.89E-05
West Virginia	Marion County	54049	R	0.00E+00	7.77E-01	6.08E-03	5.26E-02	3.80E-04	4.29E-01	7.50E-05	1.17E-09	3.68E-04	2.51E-04	1.24E-03	1.62E-01	1.08E-04
West Virginia	Marshall County	54051	R	3.27E-03	1.17E+00	6.08E-03	5.22E-02	4.83E-04	4.97E-01	7.49E-05	1.69E-05	2.77E-04	1.26E-03	1.33E-03	1.68E-01	1.16E-04
West Virginia	Mason County	54053	R	0.00E+00	9.67E-01	6.08E-03	5.26E-02	1.92E-04	3.83E-01	7.51E-05	2.65E-08	8.36E-05	4.49E-03	1.21E-03	1.39E-01	1.90E-04
West Virginia	Mercer County	54055	R	0.00E+00	5.04E-01	6.08E-03	5.27E-02	4.05E-04	4.02E-01	7.51E-05	1.31E-09	1.56E-04	6.11E-04	1.23E-03	1.47E-01	2.77E-04

1996 Modeled Exposure Concentrations for West Virginia

EPA strongly cautions that these modeling results should not be used to draw conclusions about local concentrations or risk. The results are most meaningful when viewed at the state or national scale. In addition, these results represent conditions in 1996 rather than current conditions.

- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

				Estimated Annual Median Exposure Concentrations (ug/m3) for West Virginia											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
National	All	99999	-	3.00E-04	1.84E-01	4.27E-02	3.11E-05	1.85E-07	9.86E-02	7.61E-04					
National	All Urban Counties	99998	U	3.00E-04	2.13E-01	5.26E-02	4.73E-05	3.22E-07	1.12E-01	1.16E-03					
National	All Rural Counties	99998	R	3.00E-04	1.14E-01	9.18E-03	4.85E-06	1.07E-08	7.06E-02	1.05E-04					
West Virginia	State Total	54000	-	3.00E-04	1.24E-01	1.61E-02	1.27E-05	7.94E-08	7.23E-02	2.63E-04					
West Virginia	State Urban Counties	54000	U	3.00E-04	1.56E-01	3.77E-02	2.58E-05	3.54E-06	8.36E-02	5.68E-04					
West Virginia	State Rural Counties	54000	R	3.00E-04	1.13E-01	9.38E-03	7.31E-06	1.89E-08	6.96E-02	1.64E-04					
West Virginia	Barbour County	54001	R	3.00E-04	1.09E-01	5.21E-03	1.82E-06	3.69E-09	6.85E-02	3.36E-05					
West Virginia	Berkeley County	54003	U	3.00E-04	1.23E-01	1.52E-02	1.94E-05	1.51E-07	7.41E-02	3.67E-04					
West Virginia	Boone County	54005	R	3.00E-04	1.11E-01	9.43E-03	3.65E-06	5.39E-08	6.92E-02	6.66E-05					
West Virginia	Braxton County	54007	R	3.00E-04	1.08E-01	7.32E-03	1.15E-06	2.38E-13	6.81E-02	2.05E-05					
West Virginia	Brooke County	54009	R	3.00E-04	1.25E-01	9.91E-02	6.25E-05	7.41E-04	8.77E-02	1.29E-03					
West Virginia	Cabell County	54011	U	3.00E-04	1.97E-01	4.50E-02	1.95E-05	2.49E-04	8.83E-02	5.69E-04					
West Virginia	Calhoun County	54013	R	3.00E-04	1.06E-01	4.54E-03	6.16E-07	1.02E-08	6.81E-02	2.69E-05					
West Virginia	Clay County	54015	R	3.00E-04	1.10E-01	8.30E-03	3.40E-06	6.22E-08	6.90E-02	5.87E-05					
West Virginia	Doddridge County	54017	R	3.00E-04	1.08E-01	5.14E-03	2.83E-06	6.12E-08	6.81E-02	5.64E-05					
West Virginia	Fayette County	54019	R	3.00E-04	1.17E-01	1.40E-02	1.01E-05	3.52E-08	7.03E-02	2.03E-04					
West Virginia	Gilmer County	54021	R	3.00E-04	1.14E-01	8.18E-03	3.64E-07	2.47E-10	6.78E-02	5.78E-06					
West Virginia	Grant County	54023	R	3.00E-04	1.07E-01	3.62E-03	6.43E-07	3.38E-09	6.79E-02	1.03E-05					
West Virginia	Greenbrier County	54025	R	3.00E-04	1.07E-01	4.02E-03	4.48E-06	2.67E-10	6.80E-02	8.92E-05					
West Virginia	Hampshire County	54027	R	3.00E-04	1.11E-01	6.40E-03	4.76E-06	8.71E-10	6.84E-02	9.84E-05					
West Virginia	Hancock County	54029	U	3.00E-04	1.31E-01	8.71E-02	3.29E-05	5.13E-04	1.10E-01	6.14E-04					
West Virginia	Hardy County	54031	R	3.00E-04	1.07E-01	6.40E-03	9.28E-07	7.30E-10	6.80E-02	1.65E-05					
West Virginia	Harrison County	54033	R	3.00E-04	1.19E-01	1.20E-02	1.80E-05	1.91E-08	7.13E-02	3.71E-04					
West Virginia	Jackson County	54035	R	3.00E-04	1.13E-01	1.56E-02	4.31E-06	1.12E-07	7.02E-02	3.50E-04					
West Virginia	Jefferson County	54037	U	3.00E-04	1.23E-01	1.46E-02	1.20E-05	1.76E-07	7.33E-02	1.96E-04					
West Virginia	Kanawha County	54039	U	3.00E-04	1.84E-01	5.63E-02	2.58E-05	9.72E-07	8.59E-02	4.44E-04					
West Virginia	Lewis County	54041	R	3.00E-04	1.12E-01	6.85E-03	1.74E-06	3.94E-10	6.96E-02	3.15E-05					
West Virginia	Lincoln County	54043	R	3.01E-04	1.13E-01	9.47E-03	5.78E-06	7.42E-08	6.96E-02	1.04E-04					
West Virginia	Logan County	54045	R	3.00E-04	1.12E-01	1.05E-02	4.68E-06	8.80E-10	6.94E-02	9.33E-05					
West Virginia	McDowell County	54047	R	3.00E-04	1.13E-01	8.19E-03	3.87E-06	4.12E-10	6.83E-02	7.58E-05					
West Virginia	Marion County	54049	R	3.00E-04	1.47E-01	1.78E-02	1.21E-05	2.29E-08	7.26E-02	2.43E-04					
West Virginia	Marshall County	54051	R	3.00E-04	1.22E-01	2.16E-02	1.10E-05	3.34E-05	7.48E-02	1.75E-04					
West Virginia	Mason County	54053	R	3.00E-04	1.13E-01	1.22E-02	6.96E-06	1.69E-07	6.90E-02	6.64E-04					
West Virginia	Mercer County	54055	R	3.00E-04	1.21E-01	1.48E-02	1.14E-05	2.69E-08	7.19E-02	2.29E-04					

				Estimated Annual Median Exposure Concentrations (ug/m3) for West Virginia												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
West Virginia	Mineral County	54057	R	1.62E-05	2.40E-02	1.23E-02	1.47E-01	4.58E-02	4.02E-05	8.67E-06	6.79E-01	1.40E-06	4.00E-06	6.44E-01	6.82E-02	2.15E-05
West Virginia	Mingo County	54059	R	8.48E-05	1.35E-02	7.73E-03	1.44E-01	4.08E-02	1.58E-04	2.49E-06	6.62E-01	6.74E-07	1.74E-06	6.42E-01	6.80E-02	1.29E-05
West Virginia	Monongalia County	54061	R	7.23E-05	3.44E-02	2.65E-02	2.29E-01	4.54E-02	1.61E-04	2.08E-05	7.85E-01	3.74E-06	1.42E-05	6.41E-01	6.83E-02	1.29E-03
West Virginia	Monroe County	54063	R	1.11E-04	6.67E-03	3.04E-03	6.97E-02	2.75E-02	1.97E-04	4.69E-06	5.12E-01	5.05E-07	2.16E-06	6.36E-01	6.78E-02	1.14E-05
West Virginia	Morgan County	54065	R	6.77E-05	1.24E-02	8.04E-03	1.50E-01	3.69E-02	1.30E-04	7.19E-04	6.21E-01	9.68E-07	3.40E-06	6.41E-01	6.80E-02	5.44E-05
West Virginia	Nicholas County	54067	R	2.58E-05	1.01E-02	4.67E-03	9.46E-02	3.55E-02	5.64E-05	2.64E-06	5.65E-01	5.09E-07	1.38E-06	6.41E-01	6.79E-02	1.23E-05
West Virginia	Ohio County	54069	U	7.37E-04	5.24E-02	4.13E-02	2.89E-01	4.98E-02	1.30E-03	3.48E-05	1.11E+00	5.91E-06	2.61E-05	6.41E-01	6.84E-02	1.57E-04
West Virginia	Pendleton County	54071	R	3.96E-06	1.07E-02	1.96E-03	4.21E-02	2.52E-02	9.71E-06	7.29E-07	5.01E-01	1.96E-07	7.16E-07	6.43E-01	6.77E-02	4.05E-06
West Virginia	Pleasants County	54073	R	3.46E-05	2.12E-02	8.07E-03	1.64E-01	5.16E-02	4.48E-03	7.52E-05	7.36E-01	3.40E-06	1.18E-04	6.38E-01	6.81E-02	1.24E-03
West Virginia	Pocahontas County	54075	R	9.89E-06	3.47E-03	9.35E-04	1.70E-02	1.12E-02	1.82E-05	5.39E-07	4.39E-01	6.44E-08	2.56E-07	6.33E-01	6.76E-02	1.71E-06
West Virginia	Preston County	54077	R	1.26E-05	7.66E-03	4.26E-03	7.39E-02	2.35E-02	2.93E-05	6.38E-06	5.31E-01	7.22E-07	1.90E-06	6.39E-01	6.79E-02	2.78E-05
West Virginia	Putnam County	54079	U	2.15E-04	4.11E-02	2.55E-02	4.90E-01	7.07E-02	4.52E-04	7.45E-05	1.02E+00	2.83E-06	1.36E-05	6.44E-01	7.08E-02	3.88E-04
West Virginia	Raleigh County	54081	R	1.37E-04	3.76E-02	2.25E-02	2.89E-01	7.18E-02	2.60E-04	7.60E-06	8.90E-01	2.51E-06	7.52E-06	6.43E-01	6.82E-02	8.87E-05
West Virginia	Randolph County	54083	R	1.35E-05	2.04E-02	5.71E-03	7.39E-02	4.10E-02	2.76E-05	3.25E-05	5.74E-01	5.72E-07	9.52E-06	6.43E-01	6.79E-02	4.28E-05
West Virginia	Ritchie County	54085	R	7.71E-06	8.58E-03	3.77E-03	8.64E-02	3.23E-02	1.90E-04	1.29E-05	5.51E-01	8.43E-07	1.45E-05	6.46E-01	6.78E-02	3.69E-04
West Virginia	Roane County	54087	R	1.89E-05	1.51E-02	7.98E-03	1.79E-01	4.47E-02	7.89E-05	6.48E-06	6.87E-01	1.02E-06	6.26E-06	6.40E-01	6.81E-02	2.20E-05
West Virginia	Summers County	54089	R	2.84E-04	8.14E-03	5.00E-03	9.41E-02	2.89E-02	4.96E-04	2.32E-06	5.58E-01	4.85E-07	2.02E-06	6.42E-01	6.80E-02	2.33E-05
West Virginia	Taylor County	54091	R	2.41E-05	1.23E-02	8.59E-03	1.13E-01	2.77E-02	5.58E-05	6.86E-06	6.00E-01	1.02E-06	2.52E-06	6.43E-01	6.79E-02	4.24E-05
West Virginia	Tucker County	54093	R	7.14E-05	1.12E-02	2.75E-03	6.32E-02	3.28E-02	1.31E-04	5.13E-06	5.28E-01	4.11E-07	1.89E-06	6.37E-01	6.81E-02	9.92E-06
West Virginia	Tyler County	54095	R	1.08E-05	9.28E-03	5.05E-03	9.13E-02	2.76E-02	2.95E-04	3.43E-05	5.47E-01	1.44E-06	4.67E-05	6.36E-01	6.79E-02	6.29E-05
West Virginia	Upshur County	54097	R	3.93E-05	2.79E-02	1.67E-02	1.33E-01	4.31E-02	7.94E-05	4.16E-05	7.04E-01	1.74E-06	1.28E-05	6.36E-01	6.81E-02	1.46E-04
West Virginia	Wayne County	54099	U	7.38E-05	2.52E-02	2.05E-02	3.39E-01	5.30E-02	1.36E-03	3.77E-05	9.41E-01	3.00E-06	1.02E-05	6.39E-01	6.83E-02	1.02E-03
West Virginia	Webster County	54101	R	1.36E-05	1.75E-02	4.23E-03	8.30E-02	4.68E-02	2.88E-05	7.06E-06	5.76E-01	3.56E-07	2.20E-06	6.48E-01	6.78E-02	1.62E-05
West Virginia	Wetzel County	54103	R	6.10E-05	9.61E-03	7.49E-03	1.04E-01	2.97E-02	2.26E-04	5.15E-05	5.61E-01	2.86E-06	1.17E-04	6.37E-01	6.80E-02	1.14E-04
West Virginia	Wirt County	54105	R	1.21E-05	8.36E-03	4.26E-03	1.02E-01	3.86E-02	3.36E-03	1.92E-05	5.63E-01	1.25E-06	1.68E-05	6.37E-01	6.80E-02	6.23E-04
West Virginia	Wood County	54107	U	1.06E-04	8.10E-02	4.12E-02	3.09E-01	1.03E-01	2.07E-02	9.78E-05	1.10E+00	8.57E-06	1.34E-04	6.41E-01	6.85E-02	1.07E-03
West Virginia	Wyoming County	54109	R	3.42E-05	1.35E-02	7.49E-03	1.53E-01	4.22E-02	7.05E-05	2.86E-06	6.38E-01	6.73E-07	1.91E-06	6.42E-01	6.79E-02	3.73E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for West Virginia												
State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
West Virginia	Mineral County	54057	R	0.00E+00	6.57E-01	6.08E-03	5.25E-02	1.75E-04	4.31E-01	7.50E-05	4.31E-11	1.20E-04	1.18E-04	1.21E-03	1.81E-01	8.51E-05
West Virginia	Mingo County	54059	R	1.38E-03	5.41E-01	6.08E-03	5.26E-02	1.01E-04	3.80E-01	7.50E-05	4.86E-11	3.54E-05	9.57E-05	1.20E-03	1.33E-01	2.15E-05
West Virginia	Monongalia County	54061	R	0.00E+00	8.32E-01	6.08E-03	5.24E-02	1.74E-03	4.70E-01	7.50E-05	4.15E-08	1.12E-03	2.57E-04	1.31E-03	1.92E-01	1.91E-04
West Virginia	Monroe County	54063	R	0.00E+00	3.97E-01	6.06E-03	5.22E-02	4.45E-05	2.86E-01	7.49E-05	1.06E-09	5.44E-05	9.80E-05	1.20E-03	1.29E-01	2.23E-05
West Virginia	Morgan County	54065	R	0.00E+00	7.12E-01	6.08E-03	5.24E-02	1.39E-04	3.88E-01	7.50E-05	2.93E-10	1.63E-04	9.37E-05	1.22E-03	1.44E-01	4.13E-05
West Virginia	Nicholas County	54067	R	0.00E+00	4.22E-01	6.08E-03	5.26E-02	6.41E-05	3.48E-01	7.50E-05	3.19E-12	4.63E-05	1.23E-04	1.19E-03	1.30E-01	2.34E-05
West Virginia	Ohio County	54069	U	5.09E-03	1.19E+00	6.08E-03	5.27E-02	1.28E-03	5.29E-01	7.50E-05	7.54E-06	4.03E-04	1.91E-03	1.37E-03	1.98E-01	2.34E-04
West Virginia	Pendleton County	54071	R	0.00E+00	4.39E-01	6.08E-03	5.24E-02	1.06E-05	2.91E-01	7.50E-05	2.22E-11	1.59E-05	3.17E-05	1.19E-03	1.25E-01	1.34E-05
West Virginia	Pleasants County	54073	R	0.00E+00	1.02E+00	6.10E-03	5.28E-02	9.57E-05	4.21E-01	7.51E-05	1.21E-06	1.25E-03	1.98E-02	1.29E-03	1.37E-01	9.92E-05
West Virginia	Pocahontas County	54075	R	0.00E+00	3.53E-01	6.07E-03	5.20E-02	3.88E-06	2.24E-01	7.49E-05	4.51E-10	5.09E-06	4.24E-05	1.18E-03	1.21E-01	4.01E-06
West Virginia	Preston County	54077	R	0.00E+00	5.70E-01	6.07E-03	5.26E-02	6.09E-05	2.97E-01	7.50E-05	5.76E-10	3.53E-04	6.27E-05	1.21E-03	1.28E-01	8.62E-05
West Virginia	Putnam County	54079	U	0.00E+00	1.77E+00	6.08E-03	5.26E-02	6.01E-03	5.88E-01	7.49E-05	3.78E-08	2.11E-04	4.56E-04	1.25E-03	1.58E-01	1.05E-03
West Virginia	Raleigh County	54081	R	0.00E+00	6.38E-01	6.08E-03	5.23E-02	5.37E-04	6.19E-01	7.49E-05	2.08E-11	3.46E-04	2.97E-04	1.25E-03	1.64E-01	9.54E-05
West Virginia	Randolph County	54083	R	0.00E+00	5.21E-01	6.08E-03	5.24E-02	1.08E-04	3.92E-01	7.51E-05	8.31E-11	1.76E-04	4.34E-03	1.20E-03	1.31E-01	4.42E-05
West Virginia	Ritchie County	54085	R	0.00E+00	5.25E-01	6.09E-03	5.24E-02	3.79E-05	3.33E-01	7.49E-05	5.01E-09	2.12E-04	5.77E-03	1.21E-03	1.28E-01	3.13E-05
West Virginia	Roane County	54087	R	0.00E+00	6.48E-01	6.08E-03	5.24E-02	7.38E-04	4.29E-01	7.50E-05	1.52E-09	9.04E-05	1.10E-04	1.22E-03	1.42E-01	6.29E-05
West Virginia	Summers County	54089	R	0.00E+00	3.97E-01	6.08E-03	5.26E-02	1.01E-04	3.37E-01	7.51E-05	9.98E-10	1.40E-04	6.30E-05	1.21E-03	1.33E-01	2.87E-05
West Virginia	Taylor County	54091	R	0.00E+00	6.50E-01	6.08E-03	5.22E-02	1.51E-04	3.40E-01	7.50E-05	1.67E-08	2.65E-04	1.90E-04	1.21E-03	1.37E-01	3.90E-05
West Virginia	Tucker County	54093	R	0.00E+00	4.57E-01	6.08E-03	5.29E-02	2.58E-05	3.19E-01	7.53E-05	2.45E-08	4.28E-05	3.14E-04	1.19E-03	1.26E-01	2.18E-05
West Virginia	Tyler County	54095	R	0.00E+00	7.81E-01	6.07E-03	5.25E-02	7.37E-05	3.24E-01	7.50E-05	1.15E-05	4.41E-04	4.27E-04	1.26E-03	1.29E-01	3.63E-05
West Virginia	Upshur County	54097	R	0.00E+00	5.95E-01	6.08E-03	5.28E-02	2.74E-04	4.90E-01	7.51E-05	3.54E-11	3.12E-04	5.00E-03	1.22E-03	1.61E-01	1.04E-04
West Virginia	Wayne County	54099	U	3.14E-03	2.01E+00	6.08E-03	5.25E-02	4.88E-04	5.17E-01	7.51E-05	1.46E-08	3.61E-04	8.27E-04	1.25E-03	1.79E-01	3.86E-03
West Virginia	Webster County	54101	R	0.00E+00	4.27E-01	6.09E-03	5.22E-02	2.83E-05	3.82E-01	7.50E-05	1.67E-12	5.04E-05	9.09E-04	1.19E-03	1.27E-01	1.67E-05
West Virginia	Wetzel County	54103	R	0.00E+00	8.04E-01	6.08E-03	5.28E-02	1.20E-04	3.46E-01	7.50E-05	4.86E-05	7.71E-04	1.26E-04	1.31E-03	1.32E-01	6.59E-05
West Virginia	Wirt County	54105	R	0.00E+00	6.02E-01	6.09E-03	5.26E-02	8.56E-05	3.38E-01	7.50E-05	5.48E-09	2.80E-04	9.95E-03	1.21E-03	1.31E-01	3.43E-05
West Virginia	Wood County	54107	U	0.00E+00	1.65E+00	6.14E-03	5.27E-02	1.93E-03	5.94E-01	7.51E-05	9.41E-07	4.16E-03	1.76E-02	1.32E-03	2.32E-01	3.40E-04
West Virginia	Wyoming County	54109	R	0.00E+00	4.73E-01	6.09E-03	5.24E-02	7.20E-05	4.28E-01	7.48E-05	1.30E-12	5.89E-05	1.82E-04	1.20E-03	1.34E-01	2.82E-05

				Estimated Annual Median Exposure Concentrations (ug/m3) for West Virginia											
State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
West Virginia	Mineral County	54057	R	3.00E-04	1.16E-01	1.11E-02	2.10E-06	9.65E-10	7.10E-02	4.23E-05					
West Virginia	Mingo County	54059	R	3.00E-04	1.11E-01	8.01E-03	9.66E-06	1.18E-09	6.87E-02	2.02E-04					
West Virginia	Monongalia County	54061	R	3.00E-04	1.69E-01	1.82E-02	1.08E-05	1.46E-07	8.13E-02	1.85E-04					
West Virginia	Monroe County	54063	R	2.99E-04	1.07E-01	4.48E-03	1.30E-05	4.02E-08	6.87E-02	2.60E-04					
West Virginia	Morgan County	54065	R	3.00E-04	1.11E-01	7.60E-03	7.91E-06	9.72E-09	6.95E-02	1.61E-04					
West Virginia	Nicholas County	54067	R	3.00E-04	1.10E-01	6.19E-03	3.17E-06	9.33E-11	6.84E-02	6.23E-05					
West Virginia	Ohio County	54069	U	3.00E-04	1.55E-01	3.29E-02	8.25E-05	5.38E-05	8.86E-02	1.73E-03					
West Virginia	Pendleton County	54071	R	3.00E-04	1.08E-01	4.26E-03	5.21E-07	8.38E-10	6.77E-02	9.37E-06					
West Virginia	Pleasants County	54073	R	3.00E-04	1.12E-01	8.70E-03	1.24E-05	8.57E-07	6.96E-02	1.04E-03					
West Virginia	Pocahontas County	54075	R	3.00E-04	1.06E-01	1.64E-03	1.13E-06	1.93E-09	6.73E-02	2.32E-05					
West Virginia	Preston County	54077	R	3.00E-04	1.11E-01	4.77E-03	1.70E-06	1.13E-08	6.87E-02	3.48E-05					
West Virginia	Putnam County	54079	U	3.00E-04	1.39E-01	2.34E-02	2.65E-05	3.86E-07	7.26E-02	5.50E-04					
West Virginia	Raleigh County	54081	R	3.00E-04	1.29E-01	2.18E-02	1.57E-05	1.06E-09	7.40E-02	3.22E-04					
West Virginia	Randolph County	54083	R	3.00E-04	1.09E-01	8.40E-03	1.62E-06	2.01E-09	6.91E-02	3.16E-05					
West Virginia	Ritchie County	54085	R	3.00E-04	1.09E-01	5.26E-03	2.01E-06	9.40E-08	6.81E-02	3.34E-04					
West Virginia	Roane County	54087	R	3.00E-04	1.14E-01	1.05E-02	2.89E-06	5.96E-08	6.99E-02	7.31E-05					
West Virginia	Summers County	54089	R	3.00E-04	1.11E-01	5.65E-03	3.15E-05	3.71E-08	6.93E-02	6.66E-04					
West Virginia	Taylor County	54091	R	3.00E-04	1.14E-01	7.89E-03	3.51E-06	5.27E-08	6.90E-02	5.83E-05					
West Virginia	Tucker County	54093	R	3.00E-04	1.07E-01	5.26E-03	8.80E-06	9.67E-08	6.85E-02	1.72E-04					
West Virginia	Tyler County	54095	R	3.00E-04	1.10E-01	5.39E-03	5.37E-06	4.03E-07	6.81E-02	1.18E-04					
West Virginia	Upshur County	54097	R	3.00E-04	1.18E-01	1.57E-02	4.64E-06	1.14E-09	7.33E-02	9.23E-05					
West Virginia	Wayne County	54099	U	3.00E-04	1.50E-01	2.93E-02	9.70E-06	2.25E-04	7.21E-02	3.90E-04					
West Virginia	Webster County	54101	R	3.01E-04	1.08E-01	7.60E-03	1.65E-06	8.50E-11	6.77E-02	3.20E-05					
West Virginia	Wetzel County	54103	R	3.00E-04	1.12E-01	6.92E-03	1.67E-05	8.22E-07	6.89E-02	1.77E-04					
West Virginia	Wirt County	54105	R	3.00E-04	1.10E-01	6.68E-03	3.16E-06	1.54E-07	6.89E-02	7.76E-04					
West Virginia	Wood County	54107	U	3.00E-04	1.59E-01	3.16E-02	4.18E-05	3.29E-06	8.73E-02	1.65E-02					
West Virginia	Wyoming County	54109	R	3.01E-04	1.10E-01	8.23E-03	4.08E-06	3.49E-11	6.84E-02	8.04E-05					