

US EPA ARCHIVE DOCUMENT

1999 DRAFT Modeled Ambient Concentrations for Michigan: For Review Only

The purpose of presenting these estimates is to provide additional information for State, local, and tribal organization review of the draft 1999 NEI for HAPs posted October 2002. EPA strongly cautions that these model estimates should not be used to draw conclusions about air quality or risk. They should also not be used for comparison with 1996 NATA results to perform trends analysis because, in addition to being draft, changes have been made to emission inventory and processing methodologies.

See www.epa.gov/ttn/chief/net/index.html#1999 for more information on the draft 1999 NEI for HAPs.

Please also note:

- The general approach for emission inventory development and modeling is similar to that used for the National-Scale Assessment for 1996
For a discussion of limitations, please see <http://www.epa.gov/ttn/atw/nata1999/natsalim2.htm>
- The emission processing and modeling procedures utilize 1999 meteorology, 1999 emissions and updated and new spatial information including the 2000 census for population and census tract centroid location
Background concentrations are the same as those used in the 1996 NATA.
- For formaldehyde and acetaldehyde, secondary contributions were estimated outside of the ASPEN model using the same proportion of secondary to primary concentrations as was used in the 1996 NATA assessment.
- Because the emissions used are from 1999, they do not reflect potentially significant emission reductions that have taken effect since then, 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.

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Statewide	N/A	N/A	Acetaldehyde	4.03E-02	6.52E-02	2.04E-01	4.88E-01	6.07E-01	8.16E-01	1.16E+00	1.72E+00	2.29E-02	6.07E-03	5.16E-01	6.19E-02	0.00E+00
Michigan	Statewide	N/A	N/A	Acrolein	7.70E-03	1.07E-02	2.82E-02	6.96E-02	7.91E-02	1.26E-01	1.57E-01	1.71E-01	1.77E-04	6.61E-03	5.94E-02	1.29E-02	0.00E+00
Michigan	Statewide	N/A	N/A	Acrylonitrile	2.45E-04	3.95E-04	9.54E-04	2.38E-03	3.28E-03	3.08E-03	5.52E-03	8.11E-03	2.11E-03	1.17E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Arsenic Compounds	6.62E-06	1.27E-05	4.71E-05	9.82E-05	1.94E-04	1.39E-04	2.45E-04	3.83E-04	9.99E-05	2.96E-05	5.28E-05	1.19E-05	0.00E+00
Michigan	Statewide	N/A	N/A	Benzene	5.82E-01	6.40E-01	8.85E-01	1.36E+00	1.58E+00	2.00E+00	2.60E+00	3.32E+00	7.37E-03	1.58E-01	8.19E-01	1.19E-01	4.80E-01
Michigan	Statewide	N/A	N/A	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-10	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Beryllium Compounds	2.38E-07	5.15E-07	2.78E-06	6.66E-06	1.27E-05	1.01E-05	1.51E-05	2.04E-05	2.92E-06	9.38E-06	0.00E+00	4.09E-07	0.00E+00
Michigan	Statewide	N/A	N/A	1,3-Butadiene	3.67E-03	5.60E-03	1.48E-02	4.14E-02	6.34E-02	7.08E-02	1.35E-01	2.24E-01	3.75E-05	1.78E-04	5.24E-02	1.08E-02	0.00E+00
Michigan	Statewide	N/A	N/A	Cadmium Compounds	1.01E-06	2.40E-06	1.28E-05	1.08E-04	5.06E-04	5.43E-04	8.71E-04	1.26E-03	7.85E-05	4.26E-04	0.00E+00	5.65E-07	0.00E+00
Michigan	Statewide	N/A	N/A	Carbon Disulfide	4.71E-02	4.73E-02	4.78E-02	4.88E-02	5.08E-02	5.13E-02	5.51E-02	5.74E-02	1.33E-03	2.47E-03	0.00E+00	0.00E+00	4.70E-02
Michigan	Statewide	N/A	N/A	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.81E-01	3.64E-04	4.21E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Statewide	N/A	N/A	Chloroform	8.42E-02	8.54E-02	9.10E-02	1.06E-01	1.07E-01	1.18E-01	1.26E-01	1.33E-01	6.33E-04	2.35E-02	0.00E+00	0.00E+00	8.30E-02
Michigan	Statewide	N/A	N/A	Chromium Compounds (includes Hexavalent)	5.54E-06	1.72E-05	1.72E-04	4.87E-04	1.27E-03	9.65E-04	1.94E-03	3.28E-03	6.02E-04	6.17E-04	4.58E-05	2.19E-06	0.00E+00
Michigan	Statewide	N/A	N/A	Chromium VI	2.15E-06	6.62E-06	5.30E-05	1.37E-04	3.52E-04	2.74E-04	5.08E-04	8.92E-04	1.15E-04	2.18E-04	1.83E-05	7.44E-07	0.00E+00
Michigan	Statewide	N/A	N/A	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-02	1.27E-02	2.99E-02	4.99E-02	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	1,4-Dichlorobenzene	3.39E-03	7.06E-03	2.22E-02	6.35E-02	6.97E-02	1.05E-01	1.42E-01	1.72E-01	1.64E-04	6.95E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	1,3-Dichloropropene	6.50E-03	1.36E-02	4.28E-02	1.25E-01	1.37E-01	2.05E-01	2.82E-01	3.43E-01	0.00E+00	1.37E-01	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	1.08E-06	1.20E-06	0.00E+00	0.00E+00	7.70E-03
Michigan	Statewide	N/A	N/A	Ethylene Dichloride	6.10E-02	6.11E-02	6.12E-02	6.13E-02	6.15E-02	6.15E-02	6.19E-02	6.25E-02	2.89E-04	2.31E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Statewide	N/A	N/A	Ethylene Oxide	3.46E-04	7.50E-04	2.45E-03	7.12E-03	7.92E-03	1.17E-02	1.60E-02	1.86E-02	1.05E-04	7.82E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Formaldehyde	3.02E-01	3.26E-01	4.54E-01	7.33E-01	8.34E-01	1.05E+00	1.33E+00	1.81E+00	4.11E-02	1.20E-02	4.10E-01	1.21E-01	2.50E-01
Michigan	Statewide	N/A	N/A	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.34E-05	9.35E-05	9.39E-05	9.43E-05	0.00E+00	3.67E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Statewide	N/A	N/A	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.04E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Statewide	N/A	N/A	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-08	4.38E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Hydrazine	7.75E-12	1.95E-10	1.86E-09	8.56E-09	1.51E-05	4.39E-08	3.05E-07	2.43E-06	1.50E-05	8.25E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Lead Compounds	5.84E-05	1.60E-04	6.12E-04	1.68E-03	2.30E-03	2.45E-03	3.78E-03	5.37E-03	4.10E-04	5.96E-04	0.00E+00	1.30E-03	0.00E+00
Michigan	Statewide	N/A	N/A	Manganese Compounds	2.46E-05	7.89E-05	2.85E-04	8.64E-04	2.75E-03	1.77E-03	3.78E-03	6.79E-03	2.10E-03	6.31E-04	1.47E-05	2.72E-06	0.00E+00
Michigan	Statewide	N/A	N/A	Mercury Compounds	1.51E-03	1.52E-03	1.55E-03	1.62E-03	1.68E-03	1.74E-03	1.88E-03	2.00E-03	2.76E-05	9.28E-05	5.10E-05	1.03E-05	1.50E-03
Michigan	Statewide	N/A	N/A	Methylene Chloride	1.58E-01	1.68E-01	2.22E-01	3.51E-01	4.02E-01	4.91E-01	6.16E-01	7.98E-01	3.95E-02	2.12E-01	0.00E+00	0.00E+00	1.50E-01
Michigan	Statewide	N/A	N/A	Nickel Compounds	2.84E-05	6.85E-05	2.43E-04	8.39E-04	1.82E-03	2.02E-03	3.34E-03	4.42E-03	4.48E-04	1.30E-03	3.39E-05	3.70E-05	0.00E+00
Michigan	Statewide	N/A	N/A	Perchloroethylene	1.47E-01	1.54E-01	1.88E-01	3.07E-01	3.83E-01	5.04E-01	6.51E-01	7.52E-01	4.02E-02	2.03E-01	0.00E+00	0.00E+00	1.40E-01
Michigan	Statewide	N/A	N/A	Polychlorinated Biphenyls	3.81E-04	3.82E-04	3.86E-04	3.98E-04	4.22E-04	4.36E-04	4.90E-04	5.33E-04	3.70E-09	4.18E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Statewide	N/A	N/A	Polycyclic Organic Matter	8.74E-03	1.39E-02	3.37E-02	7.09E-02	7.83E-02	1.13E-01	1.52E-01	1.74E-01	1.48E-03	5.68E-02	1.69E-02	3.14E-03	0.00E+00
Michigan	Statewide	N/A	N/A	7-PAH	4.17E-04	5.07E-04	6.73E-04	9.43E-04	1.09E-03	1.25E-03	1.68E-03	2.15E-03	1.28E-06	9.46E-04	1.11E-04	2.83E-05	0.00E+00
Michigan	Statewide	N/A	N/A	Propylene Dichloride	1.46E-05	2.33E-05	5.11E-05	1.33E-04	1.74E-04	1.74E-04	2.80E-04	4.11E-04	1.08E-04	6.65E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Quinoline	2.59E-10	4.31E-09	4.05E-08	3.41E-07	2.27E-04	2.50E-04	5.98E-04	1.01E-03	7.38E-11	2.27E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	1,1,2,2-Tetrachloroethane	1.22E-04	2.03E-04	4.42E-04	1.15E-03	1.54E-03	1.54E-03	2.49E-03	3.67E-03	9.88E-04	5.55E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Statewide	N/A	N/A	Trichloroethylene	8.20E-02	8.33E-02	8.98E-02	1.05E-01	1.16E-01	1.20E-01	1.39E-01	1.59E-01	7.42E-03	2.75E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Statewide	N/A	N/A	Vinyl Chloride	3.85E-04	6.81E-04	1.57E-03	3.56E-03	5.08E-03	4.97E-03	7.76E-03	1.15E-02	2.43E-03	2.65E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	All Urban Counties	N/A	U	Acetaldehyde	1.53E-01	2.07E-01	3.71E-01	6.38E-01	7.43E-01	8.92E-01	1.30E+00	1.92E+00	2.77E-02	7.14E-03	6.35E-01	7.30E-02	0.00E+00
Michigan	All Urban Counties	N/A	U	Acrolein	2.21E-02	3.04E-02	5.15E-02	9.24E-02	9.65E-02	1.36E-01	1.62E-01	1.78E-01	1.71E-04	7.70E-03	7.28E-02	1.58E-02	0.00E+00
Michigan	All Urban Counties	N/A	U	Acrylonitrile	6.87E-04	8.88E-04	1.69E-03	2.60E-03	3.80E-03	3.41E-03	6.31E-03	8.86E-03	2.67E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	All Urban Counties	N/A	U	Arsenic Compounds	3.42E-05	4.71E-05	7.63E-05	1.16E-04	2.40E-04	1.59E-04	2.91E-04	5.23E-04	1.26E-04	3.61E-05	6.38E-05	1.42E-05	0.00E+00
Michigan	All Urban Counties	N/A	U	Benzene	7.52E-01	8.79E-01	1.15E+00	1.61E+00	1.81E+00	2.15E+00	2.80E+00	3.79E+00	9.07E-03	1.75E-01	1.01E+00	1.41E-01	4.80E-01
Michigan	All Urban Counties	N/A	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	All Urban Counties	N/A	U	Beryllium Compounds	1.97E-06	2.91E-06	4.70E-06	7.97E-06	1.09E-05								

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	All Urban Counties	N/A	U	Cadmium Compounds	7.34E-06	1.11E-05	3.89E-05	2.40E-04	6.35E-04	6.24E-04	9.61E-04	1.44E-03	9.60E-05	5.38E-04	0.00E+00	6.80E-07	0.00E+00		
Michigan	All Urban Counties	N/A	U	Carbon Disulfide	4.75E-02	4.77E-02	4.83E-02	4.92E-02	5.16E-02	5.23E-02	5.57E-02	5.81E-02	1.66E-03	2.91E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	All Urban Counties	N/A	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.81E-01	3.93E-04	4.98E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	All Urban Counties	N/A	U	Chloroform	8.80E-02	9.06E-02	9.83E-02	1.11E-01	1.11E-01	1.21E-01	1.28E-01	1.34E-01	1.89E-04	2.83E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	All Urban Counties	N/A	U	Chromium Compounds (includes Hexavalent)	9.38E-05	1.51E-04	3.04E-04	5.74E-04	1.32E-03	1.04E-03	1.88E-03	2.90E-03	4.91E-04	7.71E-04	5.60E-05	2.63E-06	0.00E+00		
Michigan	All Urban Counties	N/A	U	Chromium VI	3.35E-05	4.62E-05	8.50E-05	1.68E-04	4.27E-04	3.18E-04	5.84E-04	9.99E-04	1.32E-04	2.71E-04	2.24E-05	8.95E-07	0.00E+00		
Michigan	All Urban Counties	N/A	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	4.79E-03	1.84E-02	1.71E-02	3.57E-02	5.90E-02	1.84E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	1,4-Dichlorobenzene	1.52E-02	2.18E-02	4.53E-02	8.12E-02	8.46E-02	1.15E-01	1.54E-01	1.78E-01	2.09E-04	8.44E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	1,3-Dichloropropene	2.89E-02	4.20E-02	8.97E-02	1.60E-01	1.67E-01	2.26E-01	3.05E-01	3.55E-01	0.00E+00	1.67E-01	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	1.37E-06	1.27E-06	0.00E+00	0.00E+00	7.70E-03		
Michigan	All Urban Counties	N/A	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.13E-02	6.14E-02	6.16E-02	6.15E-02	6.20E-02	6.26E-02	3.52E-04	2.37E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	All Urban Counties	N/A	U	Ethylene Oxide	1.64E-03	2.41E-03	5.05E-03	9.15E-03	9.63E-03	1.28E-02	1.71E-02	1.32E-04	9.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Formaldehyde	4.00E-01	4.57E-01	6.04E-01	8.79E-01	9.60E-01	1.10E+00	1.46E+00	2.01E+00	5.10E-02	1.29E-02	5.02E-01	1.45E-01	2.50E-01		
Michigan	All Urban Counties	N/A	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.33E-05	9.34E-05	9.39E-05	9.41E-05	0.00E+00	3.20E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	All Urban Counties	N/A	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.38E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	All Urban Counties	N/A	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Hydrazine	8.99E-10	1.37E-09	3.54E-09	1.28E-08	1.93E-05	5.45E-08	3.47E-07	3.46E-06	1.92E-05	9.81E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Lead Compounds	3.95E-04	5.70E-04	1.07E-03	1.93E-03	2.73E-03	2.69E-03	4.06E-03	6.16E-03	4.95E-04	6.88E-04	0.00E+00	1.55E-03	0.00E+00		
Michigan	All Urban Counties	N/A	U	Manganese Compounds	1.20E-04	1.75E-04	5.26E-04	1.10E-03	2.75E-03	1.98E-03	4.09E-03	6.61E-03	2.10E-03	6.24E-04	1.80E-05	3.25E-06	0.00E+00		
Michigan	All Urban Counties	N/A	U	Mercury Compounds	1.53E-03	1.55E-03	1.58E-03	1.66E-03	1.72E-03	1.77E-03	1.91E-03	2.03E-03	3.09E-05	1.14E-04	6.12E-05	1.23E-05	1.50E-03		
Michigan	All Urban Counties	N/A	U	Methylene Chloride	1.94E-01	2.12E-01	2.85E-01	3.93E-01	4.45E-01	5.14E-01	6.51E-01	8.54E-01	3.95E-02	2.55E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	All Urban Counties	N/A	U	Nickel Compounds	1.27E-04	2.12E-04	4.55E-04	1.32E-03	2.26E-03	2.38E-03	3.66E-03	5.08E-03	5.62E-04	1.62E-03	4.15E-05	4.43E-05	0.00E+00		
Michigan	All Urban Counties	N/A	U	Perchloroethylene	1.70E-01	1.88E-01	2.48E-01	3.90E-01	4.42E-01	5.52E-01	6.89E-01	8.12E-01	5.12E-02	2.51E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	All Urban Counties	N/A	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.85E-04	3.95E-04	4.16E-04	4.31E-04	4.79E-04	5.13E-04	4.75E-09	3.64E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	All Urban Counties	N/A	U	Polycyclic Organic Matter	2.28E-02	3.30E-02	5.57E-02	8.66E-02	9.36E-02	1.25E-01	1.60E-01	1.81E-01	1.86E-03	7.37E-02	2.06E-02	3.85E-03	0.00E+00		
Michigan	All Urban Counties	N/A	U	7-PAH	5.12E-04	5.86E-04	7.46E-04	9.91E-04	1.17E-03	1.30E-03	1.71E-03	2.26E-03	1.42E-06	9.95E-04	1.35E-04	3.34E-05	0.00E+00		
Michigan	All Urban Counties	N/A	U	Propylene Dichloride	3.84E-05	4.91E-05	9.17E-05	1.49E-04	2.01E-04	1.88E-04	3.10E-04	4.43E-04	1.38E-04	6.30E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Quinoline	2.17E-08	3.60E-08	9.33E-08	8.98E-05	2.91E-04	3.43E-04	7.27E-04	1.15E-03	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	1,1,2,2-Tetrachloroethane	3.22E-04	4.29E-04	7.94E-04	1.30E-03	1.77E-03	1.65E-03	2.74E-03	3.97E-03	1.26E-03	5.10E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Urban Counties	N/A	U	Trichloroethylene	8.61E-02	8.89E-02	9.65E-02	1.11E-01	1.22E-01	1.24E-01	1.43E-01	1.65E-01	9.03E-03	3.22E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	All Urban Counties	N/A	U	Vinyl Chloride	1.14E-03	1.47E-03	2.53E-03	3.92E-03	5.84E-03	5.38E-03	8.46E-03	1.23E-02	3.11E-03	2.72E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Acetaldehyde	2.36E-02	2.90E-02	4.31E-02	7.77E-02	1.26E-01	1.74E-01	2.68E-01	3.60E-01	6.01E-03	2.29E-03	9.55E-02	2.22E-02	0.00E+00		
Michigan	All Rural Counties	N/A	R	Acrolein	4.42E-03	5.45E-03	8.23E-03	1.22E-02	1.73E-02	2.39E-02	3.49E-02	4.36E-02	1.99E-04	2.75E-03	1.15E-02	2.85E-03	0.00E+00		
Michigan	All Rural Counties	N/A	R	Acrylonitrile	8.75E-05	1.46E-04	2.82E-04	5.01E-04	1.41E-03	9.72E-04	2.25E-03	3.58E-03	9.29E-05	1.32E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Arsenic Compounds	2.17E-06	3.98E-06	7.25E-06	1.56E-05	3.00E-05	4.28E-05	6.93E-05	9.04E-05	5.90E-06	6.78E-06	1.35E-05	3.79E-06	0.00E+00		
Michigan	All Rural Counties	N/A	R	Benzene	5.34E-01	5.54E-01	5.91E-01	6.72E-01	7.75E-01	8.39E-01	1.14E+00	1.34E+00	1.36E-03	9.76E-02	1.57E-01	3.91E-02	4.80E-01		
Michigan	All Rural Counties	N/A	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-09	0.00E+00	0.00E+00	8.01E-09	0.00E+00	1.35E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Beryllium Compounds	7.20E-08	1.33E-07	2.63E-07	6.90E-07	1.93E-05	2.08E-06	4.81E-06	2.38E-05	2.01E-07	1.89E-05	0.00E+00	1.07E-07	0.00E+00		
Michigan	All Rural Counties	N/A	R	1,3-Butadiene	2.07E-03	2.65E-03	4.03E-03	7.12E-03	1.54E-02	1.64E-02	3.90E-02	5.19E-02	8.37E-08	3.43E-04	1.19E-02	3.12E-03	0.00E+00		
Michigan	All Rural Counties	N/A	R	Cadmium Compounds	4.03E-07	5.76E-07	1.17E-06	3.46E-06	4.78E-05	1.58E-05	7.25E-05	1.99E-04	1.63E-05	3.14E-05	0.00E+00	1.54E-07	0.00E+00		
Michigan	All Rural Counties	N/A	R	Carbon Disulfide	4.70E-02	4.71E-02	4.71E-02	4.73E-02	4.80E-02	4.80E-02	4.93E-02	5.12E-02	1.61E-04	8.87E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	All Rural Counties	N/A	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	2.63E-04	1.51E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	All Rural Counties	N/A	R	Chloroform	8.33E-02	8.36E-02	8.44E-02	8.60E-02	9.03E-02	9.05E-02	1.01E-01	1.12E-01	9.79E-04	6.31E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	All Rural Counties	N/A	R	Chromium Compounds (includes Hexavalent)	1.98E-06	2.94E-06	6.31E-06	2.78E-05	1.08E-03	2.39E-04	2.31E-03	4.14E-03	9.95E-04	7.11E-05	9.41E-06	6.17E-07	0.00E+00		
Michigan	All Rural Counties	N/A	R	Chromium VI	8.42E-07	1.17E-06	2.46E-06	9.34E-06	8.83E-05	7.48E-05	1.95E-04	3.25E-04	5.69E-05	2.74E-05	3.76E-06	2.10E-07	0.00E+00		
Michigan	All Rural Counties	N/A	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	2.42E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	1,4-Dichlorobenzene	8.21E-04	1.83E-03	3.86E-03	8.97E-03	1.69E-02	1.98E-02	4.41E-02	1.66E-06	1.69E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	1,3-Dichloropropene	1.54E-03	3.56E-03	7.39E-03	1.74E-02	3.37E-02	3.87E-02	8.89E-02	1.19E-01	0.00E+00	3.37E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.78E-08	9.41E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	All Rural Counties	N/A	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.13E-02	6.12E-02	6.16E-02	6.21E-02	6.61E-05	2.09E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	All Rural Counties	N/A	R	Ethylene Oxide	8.55E-05	1.91E-04	3.87E-04	9.18E-04	1.87E-03	2.05E-03	4.95E-03	6.78E-03	1.10E-05	1.85E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Formaldehyde	2.81E-01	2.90E-01	3.05E-01	3.46E-01	3.85E-01	4.30E-01	5.37E-01	6.00E-01	5.71E-03	8.85E-03	8.47E-02	3.61E-02	2.50E-01		
Michigan	All Rural Counties	N/A	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.33E-05	9.35E-05	9.37E-05	9.44E-05	9.49E-05	0.00E+00	5.35E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	All Rural Counties	N/A	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.43E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	All Rural Counties	N/A	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-07	0.00E+00	0.00E+00	3.54E-06	1.98E-07	1.98E-07	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Hydrazine	0.00E+00	0.00E+00	1.33E-11	4.67E-10	2.54E-07	5.45E-09	4.36E-08	3.74E-07	2.30E-07	2.40E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Lead Compounds	1.52E-05	2.56E-05	6.77E-05	2.17E-04	7.86E-04	7.45E-04	2.10E-03	3.30E-03	1.07E-04	2.69E-04	0.00E+00	4.09E-04	0.00E+00		
Michigan																			

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	All Rural Counties	N/A	R	7-PAH	1.67E-04	2.99E-04	4.79E-04	6.74E-04	8.07E-04	1.06E-03	1.48E-03	1.84E-03	7.78E-07	7.71E-04	2.58E-05	1.02E-05	0.00E+00		
Michigan	All Rural Counties	N/A	R	Propylene Dichloride	4.72E-06	8.62E-06	1.65E-05	2.85E-05	8.01E-05	5.12E-05	1.03E-04	2.04E-04	1.09E-06	7.90E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Quinoline	0.00E+00	0.00E+00	3.65E-10	6.36E-09	8.87E-08	5.07E-08	1.61E-07	2.93E-07	3.36E-10	8.83E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	1,1,2,2-Tetrachloroethane	4.23E-05	7.52E-05	1.44E-04	2.54E-04	7.23E-04	4.51E-04	9.44E-04	1.85E-03	1.00E-05	7.13E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	All Rural Counties	N/A	R	Trichloroethylene	8.13E-02	8.15E-02	8.21E-02	8.42E-02	9.34E-02	9.13E-02	1.10E-01	1.29E-01	1.71E-03	1.07E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	All Rural Counties	N/A	R	Vinyl Chloride	1.27E-04	2.35E-04	4.18E-04	8.69E-04	2.42E-03	1.77E-03	3.79E-03	6.43E-03	2.46E-05	2.40E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Acetaldehyde	2.92E-02	2.92E-02	3.03E-02	3.60E-02	3.51E-02	3.89E-02	4.01E-02	4.01E-02	2.95E-04	1.27E-03	1.51E-02	1.85E-02	0.00E+00		
Michigan	Alcona County	26001	R	Acrolein	3.58E-03	3.58E-03	5.07E-03	6.26E-03	5.93E-03	6.85E-03	7.56E-03	7.56E-03	7.56E-05	2.04E-03	1.72E-03	2.10E-03	0.00E+00		
Michigan	Alcona County	26001	R	Acrylonitrile	5.10E-07	5.10E-07	1.92E-04	1.94E-04	3.84E-04	3.71E-04	1.36E-03	1.36E-03	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Arsenic Compounds	1.04E-06	1.04E-06	2.51E-06	3.02E-06	3.04E-06	4.27E-06	4.40E-06	4.40E-06	2.96E-11	2.21E-07	2.05E-06	7.70E-07	0.00E+00		
Michigan	Alcona County	26001	R	Benzene	5.34E-01	5.34E-01	5.36E-01	5.53E-01	5.51E-01	5.66E-01	5.67E-01	5.67E-01	3.06E-04	2.86E-02	1.85E-02	2.41E-02	4.80E-01		
Michigan	Alcona County	26001	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Beryllium Compounds	1.48E-08	1.48E-08	8.86E-08	1.17E-07	1.07E-07	1.52E-07	1.53E-07	1.53E-07	7.52E-12	1.06E-07	0.00E+00	1.02E-09	0.00E+00		
Michigan	Alcona County	26001	R	1,3-Butadiene	1.61E-03	1.61E-03	2.54E-03	2.92E-03	2.89E-03	3.56E-03	3.82E-03	3.82E-03	0.00E+00	3.87E-04	1.10E-03	1.41E-03	0.00E+00		
Michigan	Alcona County	26001	R	Cadmium Compounds	9.68E-08	9.68E-08	3.43E-07	4.64E-07	4.19E-07	5.63E-07	5.82E-07	5.82E-07	3.99E-08	3.65E-07	0.00E+00	1.43E-08	0.00E+00		
Michigan	Alcona County	26001	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	3.49E-09	8.69E-05	0.00E+00	0.00E+00	4.70E-02		
Michigan	Alcona County	26001	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.07E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Alcona County	26001	R	Chloroform	8.34E-02	8.34E-02	8.47E-02	8.65E-02	8.63E-02	8.78E-02	8.88E-02	8.88E-02	0.00E+00	3.28E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Alcona County	26001	R	Chromium Compounds (includes Hexavalent)	7.85E-07	7.85E-07	1.39E-06	1.40E-05	2.06E-05	4.22E-05	5.09E-05	5.09E-05	1.88E-05	2.40E-07	1.21E-06	2.81E-07	0.00E+00		
Michigan	Alcona County	26001	R	Chromium VI	2.76E-07	2.76E-07	5.43E-07	1.98E-06	2.51E-06	4.64E-06	5.67E-06	5.67E-06	1.83E-06	1.07E-07	4.79E-07	9.54E-08	0.00E+00		
Michigan	Alcona County	26001	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	1,4-Dichlorobenzene	2.35E-04	2.35E-04	1.46E-03	2.19E-03	2.12E-03	2.78E-03	3.86E-03	3.86E-03	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	1,3-Dichloropropene	4.23E-04	4.23E-04	2.77E-03	4.15E-03	4.09E-03	5.39E-03	7.69E-03	7.69E-03	0.00E+00	4.09E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.13E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Alcona County	26001	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.12E-02	6.12E-02	1.07E-09	4.63E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Alcona County	26001	R	Ethylene Oxide	2.30E-05	2.30E-05	1.42E-04	2.09E-04	2.05E-04	2.72E-04	3.75E-04	3.75E-04	0.00E+00	2.05E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Formaldehyde	2.72E-01	2.72E-01	2.93E-01	3.00E-01	2.98E-01	3.11E-01	3.14E-01	3.14E-01	6.84E-05	7.38E-03	1.19E-02	2.90E-02	2.50E-01		
Michigan	Alcona County	26001	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	8.56E-08	0.00E+00	0.00E+00	9.30E-05		
Michigan	Alcona County	26001	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	5.90E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Alcona County	26001	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Lead Compounds	7.72E-06	7.72E-06	1.78E-05	4.15E-05	4.19E-05	6.29E-05	7.98E-05	7.98E-05	3.81E-06	1.04E-05	0.00E+00	2.77E-05	0.00E+00		
Michigan	Alcona County	26001	R	Manganese Compounds	3.54E-06	3.54E-06	5.26E-06	6.21E-05	9.54E-05	2.03E-04	2.37E-04	2.37E-04	8.50E-05	9.85E-06	3.74E-07	2.44E-07	0.00E+00		
Michigan	Alcona County	26001	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	4.27E-09	9.59E-07	2.43E-06	5.52E-07	1.50E-03		
Michigan	Alcona County	26001	R	Methylene Chloride	1.51E-01	1.51E-01	1.54E-01	1.56E-01	1.55E-01	1.58E-01	1.59E-01	1.59E-01	1.05E-06	5.46E-03	0.00E+00	0.00E+00	1.50E-01		
Michigan	Alcona County	26001	R	Nickel Compounds	4.22E-06	4.22E-06	9.53E-06	4.49E-05	7.37E-05	1.51E-04	1.88E-04	1.88E-04	3.68E-09	6.98E-05	9.06E-07	3.04E-06	0.00E+00		
Michigan	Alcona County	26001	R	Perchloroethylene	1.40E-01	1.40E-01	1.42E-01	1.44E-01	1.43E-01	1.44E-01	1.45E-01	1.45E-01	2.55E-07	2.97E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Alcona County	26001	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.84E-04	3.90E-04	3.90E-04	3.99E-04	3.99E-04	3.99E-04	0.00E+00	1.01E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Alcona County	26001	R	Polycyclic Organic Matter	9.08E-04	9.08E-04	5.89E-03	7.37E-03	6.77E-03	9.23E-03	9.84E-03	9.84E-03	2.15E-06	6.14E-03	4.73E-04	1.54E-04	0.00E+00		
Michigan	Alcona County	26001	R	7-PAH	4.86E-05	4.86E-05	3.28E-04	4.43E-04	3.97E-04	5.28E-04	5.89E-04	5.89E-04	1.54E-10	3.85E-04	3.56E-06	8.19E-06	0.00E+00		
Michigan	Alcona County	26001	R	Propylene Dichloride	1.52E-08	1.52E-08	1.15E-05	1.17E-05	2.32E-05	2.23E-05	8.19E-05	8.19E-05	0.00E+00	2.32E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	1,1,2,2-Tetrachloroethane	2.38E-09	2.38E-09	1.05E-04	1.06E-04	2.11E-04	2.03E-04	7.50E-04	7.50E-04	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alcona County	26001	R	Trichloroethylene	8.10E-02	8.10E-02	8.14E-02	8.14E-02	8.16E-02	8.17E-02	8.27E-02	8.27E-02	4.60E-07	6.05E-04	0.00E+00	0.00E+00	8.10E-02		
Michigan	Alcona County	26001	R	Vinyl Chloride	8.78E-09	8.78E-09	2.61E-04	2.62E-04	5.22E-04	5.02E-04	1.85E-03	1.85E-03	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Acetaldehyde	1.83E-02	1.83E-02	2.12E-02	2.43E-02	2.52E-02	2.92E-02	3.38E-02	3.38E-02	3.98E-05	1.31E-03	5.65E-03	1.82E-02	0.00E+00		
Michigan	Alger County	26003	R	Acrolein	3.54E-03	3.54E-03	3.69E-03	4.20E-03	4.31E-03	4.93E-03	5.31E-03	5.31E-03	1.77E-06	1.76E-03	6.73E-04	1.88E-03	0.00E+00		
Michigan	Alger County	26003	R	Acrylonitrile	0.00E+00	0.00E+00	2.26E-05	6.72E-05	1.35E-04	2.46E-04	4.04E-04	4.04E-04	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Arsenic Compounds	7.12E-07	7.12E-07	1.28E-06	2.30E-06	2.26E-06	3.25E-06	3.74E-06	3.74E-06	5.00E-07	5.41E-07	6.81E-07	5.43E-07	0.00E+00		
Michigan	Alger County	26003	R	Benzene	5.14E-01	5.14E-01	5.19E-01	5.24E-01	5.25E-01	5.32E-01	5.41E-01	5.41E-01	4.31E-05	1.13E-02	7.00E-03	2.72E-02	4.80E-01		
Michigan	Alger County	26003	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Beryllium Compounds	1.35E-09	1.35E-09	3.08E-08	7.11E-08	8.56E-08	1.40E-07	1.99E-07	1.99E-07	3.26E-08	5.25E-08	0.00E+00	5.05E-10	0.00E+00		
Michigan	Alger County	26003	R	1,3-Butadiene	2.13E-03	2.13E-03	2.22E-03	2.33E-03	2.38E-03	2.37E-03	2.38E-03	2.38E-03	0.00E+00	4.16E-04	3.90E-04	1.49E-03	0.00E+00		
Michigan	Alger County	26003	R	Cadmium Compounds	1.89E-08	1.89E-08	1.78E-07	4.25E-07	4.67E-07	7.56E-07	1.00E-06	1.00E-06	1.70E-07	2.90E-07	0.00E+00	7.03E-09	0.00E+00		
Michigan	Alger County	26003	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	1.09E-06	3.38E-05	0.00E+00	0.00E+00	4.70E-02		
Michigan	Alger County	26003	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.29E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan																			

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Alger County	26003	R	Ethylene Oxide	0.00E+00	0.00E+00	5.23E-05	1.09E-04	9.03E-05	1.28E-04	1.42E-04	1.42E-04	0.00E+00	9.03E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Formaldehyde	2.71E-01	2.71E-01	2.77E-01	2.85E-01	2.83E-01	2.89E-01	2.91E-01	2.91E-01	3.14E-05	6.70E-03	4.59E-03	2.17E-02	2.50E-01		
Michigan	Alger County	26003	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	2.62E-08	0.00E+00	0.00E+00	9.30E-05		
Michigan	Alger County	26003	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.23E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Alger County	26003	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.67E-13	2.63E-11	5.26E-11	1.04E-10	1.04E-10	0.00E+00	2.63E-11	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Lead Compounds	2.11E-06	2.11E-06	5.39E-06	9.09E-06	1.57E-05	2.60E-05	4.26E-05	4.26E-05	9.94E-06	4.79E-06	0.00E+00	9.88E-07	0.00E+00		
Michigan	Alger County	26003	R	Manganese Compounds	3.35E-07	3.35E-07	1.28E-05	6.65E-05	7.21E-05	1.31E-04	1.55E-04	1.55E-04	5.25E-06	6.66E-05	1.22E-07	1.61E-07	0.00E+00		
Michigan	Alger County	26003	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.91E-06	5.19E-07	7.97E-07	3.37E-07	1.50E-03		
Michigan	Alger County	26003	R	Methylene Chloride	1.50E-01	1.50E-01	1.51E-01	1.52E-01	1.52E-01	1.53E-01	1.54E-01	1.54E-01	2.20E-06	2.17E-03	0.00E+00	0.00E+00	1.50E-01		
Michigan	Alger County	26003	R	Nickel Compounds	4.58E-06	4.58E-06	5.04E-06	6.95E-06	6.87E-06	8.70E-06	9.00E-06	9.00E-06	1.49E-06	3.29E-06	3.16E-07	1.77E-06	0.00E+00		
Michigan	Alger County	26003	R	Perchloroethylene	1.40E-01	1.40E-01	1.41E-01	1.43E-01	1.44E-01	1.44E-01	1.44E-01	1.44E-01	3.26E-07	2.30E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Alger County	26003	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.82E-04	3.84E-04	3.83E-04	3.84E-04	3.85E-04	3.85E-04	0.00E+00	2.96E-06	0.00E+00	0.00E+00	3.80E-04		
Michigan	Alger County	26003	R	Polycyclic Organic Matter	2.12E-04	2.12E-04	1.19E-03	2.79E-03	2.33E-03	3.48E-03	3.52E-03	3.52E-03	1.36E-07	2.05E-03	1.66E-04	1.14E-04	0.00E+00		
Michigan	Alger County	26003	R	7-PAH	1.76E-05	1.76E-05	9.22E-05	1.93E-04	1.65E-04	2.38E-04	2.57E-04	2.57E-04	1.18E-09	1.55E-04	1.13E-06	8.34E-06	0.00E+00		
Michigan	Alger County	26003	R	Propylene Dichloride	0.00E+00	0.00E+00	1.36E-06	4.04E-06	8.11E-06	1.49E-05	2.44E-05	2.44E-05	0.00E+00	8.11E-06	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	1.56E-11	6.27E-10	1.25E-09	2.48E-09	2.48E-09	0.00E+00	6.27E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	1,1,2,2-Tetrachloroethane	0.00E+00	0.00E+00	1.22E-05	3.66E-05	7.39E-05	1.36E-04	2.23E-04	2.23E-04	0.00E+00	7.39E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Alger County	26003	R	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.12E-02	8.13E-02	8.15E-02	8.18E-02	8.18E-02	0.00E+00	3.07E-04	0.00E+00	0.00E+00	8.10E-02		
Michigan	Alger County	26003	R	Vinyl Chloride	0.00E+00	0.00E+00	1.11E-04	2.32E-04	3.38E-04	5.65E-04	8.86E-04	8.86E-04	0.00E+00	3.38E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Acetaldehyde	8.39E-02	1.30E-01	1.58E-01	1.75E-01	2.32E-01	2.64E-01	3.71E-01	3.96E-01	1.25E-02	1.96E-03	1.86E-01	3.12E-02	0.00E+00		
Michigan	Allegan County	26005	U	Acrolein	1.38E-02	1.72E-02	1.93E-02	2.29E-02	2.61E-02	2.87E-02	3.69E-02	3.73E-02	2.54E-05	2.32E-03	2.01E-02	3.62E-03	0.00E+00		
Michigan	Allegan County	26005	U	Acrylonitrile	4.01E-04	5.72E-04	6.29E-04	9.85E-04	1.17E-03	1.39E-03	2.06E-03	2.16E-03	9.77E-05	1.08E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Arsenic Compounds	1.40E-05	1.51E-05	1.93E-05	2.82E-05	3.28E-05	4.06E-05	4.79E-05	5.49E-05	4.87E-06	2.94E-06	1.97E-05	5.20E-06	0.00E+00		
Michigan	Allegan County	26005	U	Benzene	6.30E-01	6.75E-01	7.15E-01	7.62E-01	8.49E-01	8.91E-01	9.88E-01	9.93E-01	9.80E-04	8.78E-02	2.33E-01	4.67E-02	4.80E-01		
Michigan	Allegan County	26005	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Beryllium Compounds	7.63E-07	8.05E-07	9.86E-07	1.43E-06	2.00E-06	2.50E-06	4.21E-06	4.79E-06	5.29E-07	1.33E-06	0.00E+00	1.34E-07	0.00E+00		
Michigan	Allegan County	26005	U	1,3-Butadiene	3.35E-03	4.28E-03	6.42E-03	8.67E-03	1.86E-02	2.42E-02	2.76E-02	2.92E-02	1.19E-06	1.70E-04	1.47E-02	3.73E-03	0.00E+00		
Michigan	Allegan County	26005	U	Cadmium Compounds	1.98E-06	2.04E-06	3.45E-06	1.36E-05	2.00E-05	2.84E-05	4.40E-05	6.09E-05	7.92E-07	1.90E-05	0.00E+00	1.37E-07	0.00E+00		
Michigan	Allegan County	26005	U	Carbon Disulfide	4.74E-02	4.74E-02	4.78E-02	4.82E-02	4.83E-02	4.84E-02	4.91E-02	4.92E-02	2.54E-04	1.01E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Allegan County	26005	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.82E-01	3.20E-04	1.47E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Allegan County	26005	U	Chloroform	8.57E-02	8.61E-02	8.71E-02	8.90E-02	9.03E-02	9.22E-02	9.98E-02	9.98E-02	1.89E-03	5.41E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Allegan County	26005	U	Chromium Compounds (includes Hexavalent)	4.48E-05	5.14E-05	9.08E-05	1.09E-04	1.68E-04	1.47E-04	2.29E-04	3.53E-04	3.71E-05	1.17E-04	1.38E-05	6.08E-07	0.00E+00		
Michigan	Allegan County	26005	U	Chromium VI	1.45E-05	2.32E-05	2.87E-05	3.86E-05	5.49E-05	5.36E-05	6.26E-05	9.83E-05	1.23E-05	3.69E-05	5.51E-06	2.07E-07	0.00E+00		
Michigan	Allegan County	26005	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	1,4-Dichlorobenzene	9.85E-03	1.04E-02	1.23E-02	1.72E-02	1.95E-02	2.60E-02	3.18E-02	3.37E-02	8.98E-06	1.95E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	1,3-Dichloropropene	1.89E-02	1.98E-02	2.33E-02	3.28E-02	3.80E-02	5.11E-02	6.33E-02	6.66E-02	0.00E+00	3.80E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.24E-08	6.49E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Allegan County	26005	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	6.13E-02	6.18E-02	6.18E-02	1.40E-04	1.60E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Allegan County	26005	U	Ethylene Oxide	1.00E-03	1.04E-03	1.29E-03	1.84E-03	2.03E-03	2.67E-03	3.39E-03	3.40E-03	3.10E-06	2.03E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Formaldehyde	3.28E-01	3.64E-01	3.83E-01	4.19E-01	4.55E-01	4.89E-01	5.45E-01	5.66E-01	9.01E-03	4.75E-03	1.44E-01	4.75E-02	2.50E-01		
Michigan	Allegan County	26005	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.33E-05	9.35E-05	9.36E-05	9.40E-05	9.41E-05	9.43E-05	0.00E+00	6.07E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Allegan County	26005	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.10E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Allegan County	26005	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Hydrazine	9.96E-10	1.17E-09	3.60E-09	9.14E-09	1.33E-08	1.33E-08	1.63E-08	4.82E-08	2.93E-10	1.31E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Lead Compounds	1.10E-04	1.44E-04	2.25E-04	3.28E-04	4.16E-04	4.52E-04	5.67E-04	5.89E-04	1.19E-05	1.75E-04	0.00E+00	2.29E-04	0.00E+00		
Michigan	Allegan County	26005	U	Manganese Compounds	1.97E-04	2.51E-04	2.90E-04	4.08E-04	6.18E-04	5.23E-04	1.51E-03	1.64E-03	4.42E-04	1.71E-04	4.34E-06	5.59E-07	0.00E+00		
Michigan	Allegan County	26005	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	1.55E-03	1.56E-03	1.56E-03	1.29E-06	1.37E-05	2.17E-05	4.34E-06	1.50E-03		
Michigan	Allegan County	26005	U	Methylene Chloride	1.72E-01	1.79E-01	1.85E-01	2.04E-01	2.39E-01	2.59E-01	3.75E-01	3.96E-01	3.32E-02	5.59E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Allegan County	26005	U	Nickel Compounds	1.10E-04	1.14E-04	1.27E-04	2.22E-04	2.75E-04	3.89E-04	4.18E-04	6.22E-04	1.71E-04	9.15E-05	1.03E-05	1.70E-06	0.00E+00		
Michigan	Allegan County	26005	U	Perchloroethylene	1.54E-01	1.54E-01	1.63E-01	1.73E-01	1.75E-01	1.88E-01	1.97E-01	1.99E-01	2.55E-04	3.50E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Allegan County	26005	U	Polychlorinated Biphenyls	4.05E-04	4.05E-04	4.15E-04	4.33E-04	4.47E-04	4.95E-04	5.07E-04	5.23E-04	6.34E-11	6.74E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Allegan County	26005	U	Polycyclic Organic Matter	1.44E-02	1.50E-02	1.66E-02	2.28E-02	2.60E-02	3.82E-02	3.92E-02	3.82E-02	3.83E-04	1.96E-02	5.32E-03	7.25E-04	0.00E+00		
Michigan	Allegan County	26005	U	7-PAH	4.76E-04	4.77E-04	4.95E-04	6.04E-04	7.10E-04	9.08E-04	1.09E-03	1.37E-03	6.27E-08	6.64E-04	3.81E-05	7.82E-06	0.00E+00		
Michigan	Allegan County	26005	U	Propylene Dichloride	2.39E-05	3.44E-05	3.76E-05	5.45E-05	7.05E-05	8.36E-05	1.24E-04	1.31E-04	5.91E-06	6.46E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Allegan County	26005	U	Quinoline	2.71E-08	3.21E-08	7.25E-08	1.12E-07	1.29E-07	1.75E-07	2.								

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Alpena County	26007	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Beryllium Compounds	4.54E-08	2.03E-07	3.74E-07	4.72E-07	8.70E-07	1.59E-06	2.06E-06	2.50E-06	3.96E-10	8.60E-07	0.00E+00	9.91E-09	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	1,3-Butadiene	1.59E-03	3.31E-03	5.16E-03	7.11E-03	1.43E-02	1.63E-02	4.07E-02	4.16E-02	0.00E+00	5.98E-04	1.12E-02	2.54E-03	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Cadmium Compounds	7.66E-07	8.46E-07	1.17E-06	2.19E-06	3.51E-06	4.89E-06	9.32E-06	1.10E-05	1.34E-06	2.03E-06	0.00E+00	1.38E-07	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.73E-02	4.76E-02	4.78E-02	4.79E-02	2.27E-07	3.09E-04	0.00E+00	0.00E+00	0.00E+00	4.70E-02	
Michigan	Alpena County	26007	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	8.09E-05	0.00E+00	0.00E+00	0.00E+00	8.80E-01	
Michigan	Alpena County	26007	R	Chloroform	8.33E-02	8.38E-02	8.44E-02	8.56E-02	8.75E-02	8.90E-02	9.52E-02	9.54E-02	0.00E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	8.30E-02	
Michigan	Alpena County	26007	R	Chromium Compounds (includes Hexavalent)	2.46E-05	4.88E-05	1.20E-04	3.39E-04	8.35E-04	6.82E-04	3.03E-03	4.95E-03	8.22E-04	4.92E-06	7.10E-06	8.66E-07	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Chromium VI	3.42E-06	5.97E-06	1.57E-05	3.85E-05	8.85E-05	7.81E-05	3.08E-04	4.80E-04	8.27E-05	2.67E-06	2.86E-06	2.95E-07	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	1,4-Dichlorobenzene	6.35E-04	2.10E-03	3.72E-03	7.33E-03	1.44E-02	1.77E-02	4.12E-02	4.34E-02	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	1,3-Dichloropropene	1.10E-03	4.06E-03	7.27E-03	1.47E-02	2.91E-02	3.60E-02	8.40E-02	8.85E-02	0.00E+00	2.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.81E-07	0.00E+00	0.00E+00	0.00E+00	7.70E-03	
Michigan	Alpena County	26007	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.99E-08	5.31E-05	0.00E+00	0.00E+00	0.00E+00	6.10E-02	
Michigan	Alpena County	26007	R	Ethylene Oxide	7.15E-05	2.08E-04	3.61E-04	7.81E-04	1.64E-03	2.06E-03	4.83E-03	4.94E-03	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Formaldehyde	2.90E-01	3.01E-01	3.14E-01	3.52E-01	3.72E-01	4.18E-01	4.75E-01	4.80E-01	6.78E-03	1.03E-02	5.37E-02	5.15E-02	2.50E-01	2.50E-01	
Michigan	Alpena County	26007	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.33E-05	9.35E-05	9.39E-05	9.43E-05	9.47E-05	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00	9.30E-05	
Michigan	Alpena County	26007	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.25E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-03	
Michigan	Alpena County	26007	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Hydrazine	0.00E+00	0.00E+00	4.82E-12	5.90E-12	5.29E-12	6.59E-12	9.18E-12	1.06E-11	0.00E+00	5.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Lead Compounds	3.65E-05	4.54E-05	1.65E-04	3.39E-04	7.71E-04	9.66E-04	2.47E-03	3.46E-03	1.95E-04	3.88E-04	0.00E+00	1.88E-04	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Manganese Compounds	1.28E-04	2.50E-04	5.90E-04	1.56E-03	4.46E-03	3.29E-03	1.69E-02	2.49E-02	3.78E-03	6.85E-04	2.31E-06	1.52E-06	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.55E-03	1.55E-03	1.94E-07	4.42E-06	1.18E-05	2.62E-06	1.50E-03	1.50E-03	
Michigan	Alpena County	26007	R	Methylene Chloride	1.51E-01	1.54E-01	1.59E-01	1.65E-01	1.81E-01	2.08E-01	2.33E-01	2.43E-01	6.93E-05	3.11E-02	0.00E+00	0.00E+00	1.50E-01	1.50E-01	
Michigan	Alpena County	26007	R	Nickel Compounds	8.22E-06	8.77E-06	2.05E-05	4.27E-05	8.16E-05	1.67E-04	2.11E-04	2.17E-04	2.02E-07	4.83E-05	5.25E-06	2.79E-05	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Perchloroethylene	1.42E-01	1.51E-01	1.79E-01	2.05E-01	2.08E-01	2.39E-01	2.76E-01	2.85E-01	1.70E-05	6.79E-02	0.00E+00	0.00E+00	1.40E-01	1.40E-01	
Michigan	Alpena County	26007	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.84E-04	4.15E-04	4.42E-04	4.95E-04	5.46E-04	5.88E-04	0.00E+00	6.20E-05	0.00E+00	0.00E+00	3.80E-04	3.80E-04	
Michigan	Alpena County	26007	R	Polycyclic Organic Matter	1.41E-03	3.34E-03	1.33E-02	1.54E-02	2.22E-02	3.07E-02	4.74E-02	4.81E-02	1.08E-04	1.87E-02	2.77E-03	6.76E-04	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	7-PAH	6.67E-05	6.09E-04	6.58E-04	7.80E-04	9.02E-04	1.44E-03	1.60E-03	1.70E-03	8.68E-04	1.92E-05	1.51E-05	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Propylene Dichloride	1.21E-07	4.14E-06	1.14E-05	1.81E-05	2.03E-05	2.89E-05	4.05E-05	4.87E-05	0.00E+00	2.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Quinoline	0.00E+00	0.00E+00	2.19E-10	3.18E-10	2.60E-10	3.26E-10	3.90E-10	4.14E-10	0.00E+00	2.60E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	1,1,2,2-Tetrachloroethane	7.67E-07	3.67E-05	1.02E-04	1.55E-04	1.79E-04	2.50E-04	3.69E-04	4.46E-04	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Alpena County	26007	R	Trichloroethylene	8.11E-02	8.14E-02	8.21E-02	8.27E-02	8.45E-02	8.80E-02	9.06E-02	9.21E-02	3.05E-05	3.51E-03	0.00E+00	0.00E+00	8.10E-02	8.10E-02	
Michigan	Alpena County	26007	R	Vinyl Chloride	1.02E-05	1.22E-04	3.14E-04	6.31E-04	6.13E-04	9.02E-04	1.08E-03	1.13E-03	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Acetaldehyde	6.07E-02	6.07E-02	6.19E-02	6.86E-02	7.12E-02	7.48E-02	9.83E-02	9.83E-02	2.68E-03	1.80E-03	4.49E-02	2.18E-02	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Acrolein	8.33E-03	8.33E-03	1.00E-02	1.13E-02	1.11E-02	1.23E-02	1.29E-02	1.29E-02	4.15E-04	2.00E-03	5.80E-03	2.84E-03	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Acrylonitrile	1.92E-04	1.92E-04	3.07E-04	3.45E-04	6.75E-04	5.84E-04	2.74E-03	2.74E-03	0.00E+00	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Arsenic Compounds	5.90E-06	5.90E-06	7.96E-06	8.53E-06	8.90E-06	9.70E-06	1.29E-05	1.29E-05	3.05E-07	1.36E-06	5.72E-06	1.51E-06	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Benzene	6.03E-01	6.03E-01	6.30E-01	6.45E-01	6.63E-01	6.94E-01	7.69E-01	7.69E-01	2.11E-04	8.82E-02	5.97E-02	3.53E-02	4.80E-01	4.80E-01	
Michigan	Antrim County	26009	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Beryllium Compounds	2.77E-07	2.77E-07	3.01E-07	3.94E-07	4.08E-07	4.62E-07	6.70E-07	6.70E-07	1.81E-08	3.86E-07	0.00E+00	3.40E-09	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	1,3-Butadiene	2.74E-03	2.74E-03	4.71E-03	5.89E-03	5.79E-03	6.79E-03	8.80E-03	8.80E-03	0.00E+00	3.02E-04	3.28E-03	2.20E-03	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Cadmium Compounds	7.09E-06	7.09E-06	9.59E-06	1.65E-05	1.82E-05	2.46E-05	3.72E-05	3.72E-05	4.13E-08	1.81E-05	0.00E+00	4.75E-08	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.75E-02	4.75E-02	4.75E-02	1.22E-07	2.09E-04	0.00E+00	0.00E+00	4.70E-02	4.70E-02	
Michigan	Antrim County	26009	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	3.38E-05	0.00E+00	0.00E+00	8.80E-01	8.80E-01	
Michigan	Antrim County	26009	R	Chloroform	8.47E-02	8.47E-02	8.49E-02	8.56E-02	8.57E-02	8.61E-02	8.76E-02	8.76E-02	0.00E+00	2.69E-03	0.00E+00	0.00E+00	8.30E-02	8.30E-02	
Michigan	Antrim County	26009	R	Chromium Compounds (includes Hexavalent)	1.08E-05	1.08E-05	1.45E-03	1.76E-03	2.28E-03	2.84E-03	6.12E-03	6.12E-03	2.27E-03	4.96E-06	3.41E-06	4.50E-07	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Chromium VI	4.30E-06	4.30E-06	1.18E-04	1.45E-04	1.85E-04	2.31E-04	4.92E-04	4.92E-04	1.82E-04	2.24E-06	1.37E-06	1.53E-07	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	1,4-Dichlorobenzene	3.88E-03	3.88E-03	4.78E-03	6.20E-03	6.42E-03	7.52E-03	1.05E-02	1.05E-02	0.00E+00	6.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	1,3-Dichloropropene	7.08E-03	7.08E-03	9.08E-03	1.19E-02	1.23E-02	1.43E-02	2.05E-02	2.05E-02	0.00E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Antrim County	26009	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.60E-07	0.00E+00	0.00E+00	7.70E-03	7.70E-03	
Michigan	Antrim County	26009	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.13E-02</								

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Antrim County	26009	R	Perchloroethylene	1.47E-01	1.47E-01	1.49E-01	1.52E-01	1.56E-01	1.58E-01	1.81E-01	1.81E-01	3.75E-08	1.58E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Antrim County	26009	R	Polychlorinated Biphenyls	3.95E-04	3.95E-04	3.99E-04	4.08E-04	4.12E-04	4.25E-04	4.40E-04	4.40E-04	0.00E+00	3.23E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Antrim County	26009	R	Polycyclic Organic Matter	7.50E-03	7.50E-03	1.15E-02	1.27E-02	1.34E-02	1.56E-02	2.02E-02	2.02E-02	2.26E-08	1.17E-02	1.31E-03	4.06E-04	0.00E+00		
Michigan	Antrim County	26009	R	7-PAH	3.24E-04	3.24E-04	5.27E-04	5.94E-04	5.84E-04	6.87E-04	7.34E-04	7.34E-04	3.79E-10	5.65E-04	1.01E-05	9.52E-06	0.00E+00		
Michigan	Antrim County	26009	R	Propylene Dichloride	1.14E-05	1.14E-05	1.77E-05	2.04E-05	4.04E-05	3.51E-05	1.65E-04	1.65E-04	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Antrim County	26009	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	5.51E-10	7.77E-10	1.29E-09	2.54E-09	2.54E-09	0.00E+00	7.77E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Antrim County	26009	R	1,1,2,2-Tetrachloroethane	1.03E-04	1.03E-04	1.65E-04	1.94E-04	3.78E-04	3.39E-04	1.52E-03	1.52E-03	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Antrim County	26009	R	Trichloroethylene	8.21E-02	8.21E-02	8.23E-02	8.26E-02	8.30E-02	8.32E-02	8.56E-02	8.56E-02	0.00E+00	1.99E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Antrim County	26009	R	Vinyl Chloride	2.55E-04	2.55E-04	4.05E-04	4.81E-04	9.35E-04	8.47E-04	3.76E-03	3.76E-03	0.00E+00	9.35E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Acetaldehyde	2.86E-02	2.86E-02	3.05E-02	4.23E-02	5.75E-02	9.97E-02	1.02E-01	1.02E-01	1.97E-05	7.37E-04	4.59E-02	1.09E-02	0.00E+00		
Michigan	Arenac County	26011	R	Acrolein	5.33E-03	5.33E-03	5.91E-03	7.25E-03	8.37E-03	1.22E-02	1.22E-02	1.22E-02	5.77E-06	1.09E-03	5.19E-03	2.08E-03	0.00E+00		
Michigan	Arenac County	26011	R	Acrylonitrile	2.82E-04	2.82E-04	3.72E-04	4.05E-04	1.14E-03	2.46E-03	2.93E-03	2.93E-03	2.80E-04	8.62E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Arsenic Compounds	5.05E-06	5.05E-06	1.35E-05	1.62E-05	1.58E-05	1.82E-05	2.57E-05	2.57E-05	6.49E-06	5.45E-07	6.92E-06	1.85E-06	0.00E+00		
Michigan	Arenac County	26011	R	Benzene	5.54E-01	5.54E-01	5.63E-01	5.95E-01	6.12E-01	6.75E-01	6.89E-01	6.89E-01	5.84E-05	4.00E-02	6.14E-02	3.03E-02	4.80E-01		
Michigan	Arenac County	26011	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Beryllium Compounds	1.72E-07	1.72E-07	2.31E-07	6.75E-07	6.04E-07	8.05E-07	1.07E-06	1.07E-06	3.42E-07	2.60E-07	0.00E+00	2.32E-09	0.00E+00		
Michigan	Arenac County	26011	R	1,3-Butadiene	2.07E-03	2.07E-03	3.46E-03	4.40E-03	6.37E-03	1.08E-02	1.31E-02	1.31E-02	0.00E+00	1.94E-04	4.47E-03	2.11E-03	0.00E+00		
Michigan	Arenac County	26011	R	Cadmium Compounds	5.26E-07	5.26E-07	6.81E-07	4.36E-06	4.66E-06	8.49E-06	9.56E-06	9.56E-06	8.53E-07	3.78E-06	0.00E+00	2.71E-08	0.00E+00		
Michigan	Arenac County	26011	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.75E-02	4.75E-02	4.75E-02	2.02E-05	1.99E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Arenac County	26011	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	3.20E-05	2.21E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Arenac County	26011	R	Chloroform	8.33E-02	8.33E-02	8.33E-02	8.35E-02	8.36E-02	8.36E-02	8.42E-02	8.42E-02	2.25E-05	5.45E-04	0.00E+00	0.00E+00	8.30E-02		
Michigan	Arenac County	26011	R	Chromium Compounds (includes Hexavalent)	3.66E-06	3.66E-06	1.03E-05	5.54E-05	4.26E-05	6.19E-05	6.92E-05	6.92E-05	3.44E-05	3.84E-06	4.06E-06	3.56E-07	0.00E+00		
Michigan	Arenac County	26011	R	Chromium VI	2.22E-06	2.22E-06	4.47E-06	1.22E-05	1.12E-05	1.25E-05	2.34E-05	2.34E-05	5.90E-06	3.52E-06	1.62E-06	1.21E-07	0.00E+00		
Michigan	Arenac County	26011	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	1,4-Dichlorobenzene	1.94E-03	1.94E-03	2.48E-03	3.20E-03	3.77E-03	4.50E-03	7.29E-03	7.29E-03	0.00E+00	3.77E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	1,3-Dichloropropene	3.53E-03	3.53E-03	4.81E-03	6.17E-03	7.18E-03	8.21E-03	1.42E-02	1.42E-02	0.00E+00	7.18E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.24E-09	4.84E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Arenac County	26011	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.14E-02	6.14E-02	2.64E-06	1.06E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Arenac County	26011	R	Ethylene Oxide	2.09E-04	2.09E-04	2.50E-04	4.52E-04	4.70E-04	4.52E-04	1.24E-03	1.24E-03	4.12E-05	4.28E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Formaldehyde	2.79E-01	2.79E-01	2.92E-01	2.99E-01	3.12E-01	3.48E-01	3.54E-01	3.54E-01	8.99E-06	3.59E-03	3.70E-02	2.14E-02	2.50E-01		
Michigan	Arenac County	26011	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.33E-05	9.33E-05	0.00E+00	1.58E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Arenac County	26011	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.07E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Arenac County	26011	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Hydrazine	7.57E-11	7.57E-11	8.45E-11	1.35E-10	9.58E-07	1.59E-09	5.75E-06	5.75E-06	9.57E-07	1.22E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Lead Compounds	1.52E-05	1.52E-05	3.31E-05	4.78E-05	5.61E-05	7.34E-05	1.19E-04	1.19E-04	2.35E-05	8.25E-06	0.00E+00	2.43E-05	0.00E+00		
Michigan	Arenac County	26011	R	Manganese Compounds	3.98E-06	3.98E-06	6.15E-06	2.64E-05	2.05E-05	2.97E-05	3.03E-05	3.03E-05	1.52E-05	3.56E-06	1.29E-06	4.24E-07	0.00E+00		
Michigan	Arenac County	26011	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	5.90E-07	1.80E-06	8.18E-06	1.47E-06	1.50E-03		
Michigan	Arenac County	26011	R	Methylene Chloride	1.55E-01	1.55E-01	1.55E-01	1.57E-01	1.61E-01	1.68E-01	1.72E-01	1.72E-01	1.72E-01	1.72E-01	1.06E-02	0.00E+00	0.00E+00	1.50E-01	
Michigan	Arenac County	26011	R	Nickel Compounds	2.77E-05	2.77E-05	9.95E-05	3.84E-04	2.91E-04	4.11E-04	4.44E-04	4.44E-04	2.33E-04	4.94E-05	3.08E-06	6.23E-06	0.00E+00		
Michigan	Arenac County	26011	R	Perchloroethylene	1.43E-01	1.43E-01	1.44E-01	1.45E-01	1.48E-01	1.51E-01	1.59E-01	1.59E-01	2.37E-04	7.46E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Arenac County	26011	R	Polychlorinated Biphenyls	3.87E-04	3.87E-04	3.91E-04	3.94E-04	3.96E-04	3.98E-04	4.14E-04	4.14E-04	0.00E+00	1.65E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Arenac County	26011	R	Polycyclic Organic Matter	4.96E-03	4.96E-03	6.41E-03	8.83E-03	9.70E-03	1.29E-02	1.63E-02	1.63E-02	8.65E-07	7.92E-03	1.54E-03	2.34E-04	0.00E+00		
Michigan	Arenac County	26011	R	7-PAH	2.32E-04	2.32E-04	3.28E-04	4.44E-04	4.51E-04	5.50E-04	7.05E-04	7.05E-04	7.44E-09	4.30E-04	1.21E-05	8.26E-06	0.00E+00		
Michigan	Arenac County	26011	R	Propylene Dichloride	1.70E-05	1.70E-05	2.25E-05	2.44E-05	5.20E-05	4.69E-05	1.77E-04	1.77E-04	0.00E+00	5.20E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Quinoline	9.95E-10	9.95E-10	1.49E-09	4.15E-09	6.11E-09	6.90E-09	1.90E-08	1.90E-08	0.00E+00	6.11E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	1,1,2,2-Tetrachloroethane	1.55E-04	1.55E-04	2.04E-04	2.23E-04	4.75E-04	4.23E-04	1.62E-03	1.62E-03	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Arenac County	26011	R	Trichloroethylene	8.16E-02	8.16E-02	8.17E-02	8.19E-02	8.26E-02	8.39E-02	8.48E-02	8.48E-02	0.00E+00	1.64E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Arenac County	26011	R	Vinyl Chloride	4.00E-04	4.00E-04	5.27E-04	5.78E-04	1.20E-03	1.13E-03	4.01E-03	4.01E-03	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Baraga County	26013	R	Acetaldehyde	3.51E-02	3.51E-02	3.51E-02	4.12E-02	4.31E-02	5.32E-02	5.32E-02	5.32E-02	0.00E+00	2.17E-03	1.08E-02	3.02E-02	0.00E+00		
Michigan	Baraga County	26013	R	Acrolein	5.34E-03	5.34E-03	5.34E-03	9.02E-03	8.00E-03	9.63E-03	9.63E-03	9.63E-03	0.00E+00	3.55E-03	1.60E-03	2.85E-03	0.00E+00		
Michigan	Baraga County	26013	R	Acrylonitrile	1.60E-04	1.60E-04	1.60E-04	7.15E-04	5.65E-04	8.20E-04	8.20E-04	8.20E-04	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Baraga County	26013	R	Arsenic Compounds	2.86E-06	2.86E-06	2.86E-06	3.34E-06	3.29E-06	3.68E-06	3.68E-06	3.68E-06	0.00E+00	4.73E-07	1.61E-06	1.21E-06	0.00E+00		
Michigan	Baraga County	26013	R	Benzene	5.55E-01	5.55E-01	5.55E-01	5.60E-01	5.59E-01	5.61E-01	5.61E-01	5.61E-01	0.00E+00	2.19E-02	1.60E-02	4.06E-02	4.80E-01		
Michigan	Baraga County	26013	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Baraga County	26013	R	Beryllium Compounds	7.20E-08	7.20E-08	7.20E-08	1.26E-07	1.14E-07	1.44E-07	1.44E-07	1.44E-07	0.00E+00	1.07E-07	0.00E+00	6.99E-09	0.00E+00		
Michigan	Baraga County	26013	R	1,3-Butadiene	3.27E-03	3.27E-03	3.27E-03	5.00E-03	4.46E-03	5.10E-03	5.10E-03	5.10E-03	0.00E+00	8.90E-04	8.27E-04				

DRAFT FOR REVIEW ONLY																	
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Baraga County	26013	R	1,3-Dichloropropene	1.65E-03	1.65E-03	1.65E-03	3.75E-03	3.15E-03	4.07E-03	4.07E-03	4.07E-03	0.00E+00	3.15E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.10E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Baraga County	26013	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	0.00E+00	6.94E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Baraga County	26013	R	Ethylene Oxide	9.33E-05	9.33E-05	9.33E-05	2.06E-04	1.74E-04	2.23E-04	2.23E-04	2.23E-04	0.00E+00	1.74E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Formaldehyde	2.99E-01	2.99E-01	2.99E-01	3.21E-01	3.15E-01	3.26E-01	3.26E-01	3.26E-01	0.00E+00	1.33E-02	9.15E-03	4.28E-02	2.50E-01
Michigan	Baraga County	26013	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	6.41E-08	0.00E+00	0.00E+00	9.30E-05
Michigan	Baraga County	26013	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.86E-09	0.00E+00	0.00E+00	1.80E-03
Michigan	Baraga County	26013	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Hydrazine	4.94E-12	4.94E-12	4.94E-12	4.09E-11	3.19E-11	4.99E-11	4.99E-11	4.99E-11	0.00E+00	3.19E-11	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Lead Compounds	1.03E-05	1.03E-05	1.03E-05	1.84E-05	1.82E-05	2.59E-05	2.59E-05	2.59E-05	0.00E+00	8.13E-06	0.00E+00	1.00E-05	0.00E+00
Michigan	Baraga County	26013	R	Manganese Compounds	3.03E-05	3.03E-05	3.03E-05	3.56E-05	4.29E-05	6.30E-05	6.30E-05	6.30E-05	0.00E+00	4.17E-05	3.00E-07	9.76E-07	0.00E+00
Michigan	Baraga County	26013	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	0.00E+00	1.84E-06	1.84E-06	9.56E-07	1.50E-03
Michigan	Baraga County	26013	R	Methylene Chloride	1.53E-01	1.53E-01	1.53E-01	1.57E-01	1.55E-01	1.57E-01	1.57E-01	1.57E-01	0.00E+00	5.49E-03	0.00E+00	0.00E+00	1.50E-01
Michigan	Baraga County	26013	R	Nickel Compounds	1.37E-05	1.37E-05	1.37E-05	1.56E-05	2.67E-05	5.09E-05	5.09E-05	5.09E-05	0.00E+00	4.29E-06	7.14E-07	2.17E-05	0.00E+00
Michigan	Baraga County	26013	R	Perchloroethylene	1.41E-01	1.41E-01	1.41E-01	1.48E-01	1.46E-01	1.49E-01	1.49E-01	1.49E-01	0.00E+00	6.06E-03	0.00E+00	0.00E+00	1.40E-01
Michigan	Baraga County	26013	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.83E-04	3.89E-04	3.87E-04	3.90E-04	3.90E-04	3.90E-04	0.00E+00	7.44E-06	0.00E+00	0.00E+00	3.80E-04
Michigan	Baraga County	26013	R	Polycyclic Organic Matter	2.31E-03	2.31E-03	2.31E-03	4.96E-03	4.27E-03	5.55E-03	5.55E-03	5.55E-03	0.00E+00	3.64E-03	3.80E-04	2.51E-04	0.00E+00
Michigan	Baraga County	26013	R	7-PAH	1.27E-04	1.27E-04	1.27E-04	3.87E-04	3.10E-04	4.17E-04	4.17E-04	4.17E-04	0.00E+00	2.93E-04	2.78E-06	1.49E-05	0.00E+00
Michigan	Baraga County	26013	R	Propylene Dichloride	9.67E-06	9.67E-06	9.67E-06	4.32E-05	3.36E-05	4.79E-05	4.79E-05	4.79E-05	0.00E+00	3.36E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Quinoline	1.49E-10	1.49E-10	1.49E-10	1.30E-09	1.02E-09	1.61E-09	1.61E-09	1.61E-09	0.00E+00	1.02E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	1,1,2,2-Tetrachloroethane	8.80E-05	8.80E-05	8.80E-05	3.95E-04	3.13E-04	4.55E-04	4.55E-04	4.55E-04	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Baraga County	26013	R	Trichloroethylene	8.13E-02	8.13E-02	8.13E-02	8.21E-02	8.19E-02	8.22E-02	8.22E-02	8.22E-02	0.00E+00	8.80E-04	0.00E+00	0.00E+00	8.10E-02
Michigan	Baraga County	26013	R	Vinyl Chloride	2.21E-04	2.21E-04	2.21E-04	9.97E-04	7.86E-04	1.14E-03	1.14E-03	1.14E-03	0.00E+00	7.86E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	Acetaldehyde	1.18E-01	1.19E-01	1.32E-01	1.55E-01	1.48E-01	1.56E-01	1.74E-01	1.90E-01	4.59E-03	1.62E-03	1.26E-01	1.53E-02	0.00E+00
Michigan	Barry County	26015	R	Acrolein	2.01E-02	2.01E-02	2.16E-02	2.24E-02	2.25E-02	2.30E-02	2.53E-02	2.63E-02	2.26E-05	1.97E-03	1.71E-02	3.44E-03	0.00E+00
Michigan	Barry County	26015	R	Acrylonitrile	5.70E-04	6.42E-04	9.35E-04	1.06E-03	1.28E-03	1.17E-03	2.57E-03	3.46E-03	1.08E-04	1.18E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	Arsenic Compounds	1.82E-05	2.07E-05	2.43E-05	2.56E-05	2.87E-05	2.94E-05	4.36E-05	4.71E-05	9.69E-06	2.72E-06	1.25E-05	3.77E-06	0.00E+00
Michigan	Barry County	26015	R	Benzene	7.00E-01	7.04E-01	7.15E-01	7.25E-01	7.28E-01	7.44E-01	7.56E-01	7.59E-01	1.44E-03	6.14E-02	1.51E-01	3.41E-02	4.80E-01
Michigan	Barry County	26015	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	Beryllium Compounds	1.12E-06	1.21E-06	1.76E-06	2.02E-06	2.11E-06	2.37E-06	3.19E-06	3.96E-06	8.40E-07	1.08E-06	0.00E+00	1.91E-07	0.00E+00
Michigan	Barry County	26015	R	1,3-Butadiene	6.63E-03	6.77E-03	7.12E-03	7.70E-03	7.90E-03	8.62E-03	9.41E-03	9.70E-03	2.09E-06	1.88E-04	5.54E-03	2.17E-03	0.00E+00
Michigan	Barry County	26015	R	Cadmium Compounds	2.61E-06	6.82E-06	1.76E-05	2.43E-05	4.43E-05	5.11E-05	1.32E-04	1.50E-04	2.39E-05	2.02E-05	0.00E+00	1.90E-07	0.00E+00
Michigan	Barry County	26015	R	Carbon Disulfide	4.74E-02	4.75E-02	4.76E-02	4.81E-02	4.80E-02	4.82E-02	4.86E-02	4.87E-02	1.27E-04	8.70E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Barry County	26015	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.48E-04	1.17E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Barry County	26015	R	Chloroform	8.56E-02	8.62E-02	8.68E-02	8.77E-02	8.79E-02	8.85E-02	9.02E-02	9.15E-02	8.76E-04	4.02E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Barry County	26015	R	Chromium Compounds (includes Hexavalent)	4.64E-05	4.91E-05	6.13E-05	8.74E-05	9.72E-05	1.33E-04	1.54E-04	1.72E-04	6.49E-05	2.30E-05	8.89E-06	4.27E-07	0.00E+00
Michigan	Barry County	26015	R	Chromium VI	2.22E-05	2.25E-05	2.33E-05	2.93E-05	3.23E-05	4.17E-05	4.67E-05	5.15E-05	1.90E-05	9.64E-06	3.55E-06	1.45E-07	0.00E+00
Michigan	Barry County	26015	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	1,4-Dichlorobenzene	1.19E-02	1.23E-02	1.31E-02	1.51E-02	1.50E-02	1.73E-02	1.75E-02	1.75E-02	9.90E-06	1.50E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	1,3-Dichloropropene	2.24E-02	2.33E-02	2.48E-02	2.86E-02	2.85E-02	3.31E-02	3.34E-02	3.36E-02	0.00E+00	2.85E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.26E-08	8.26E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Barry County	26015	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.12E-02	6.14E-02	6.16E-02	6.21E-02	6.22E-02	6.23E-02	3.91E-04	1.76E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Barry County	26015	R	Ethylene Oxide	1.26E-03	1.28E-03	1.37E-03	1.60E-03	1.60E-03	1.86E-03	1.88E-03	1.90E-03	1.34E-08	1.60E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Barry County	26015	R	Formaldehyde	3.71E-01	3.71E-01	3.73E-01	3.88E-01	4.13E-01	4.56E-01	4.82E-01	4.83E-01	3.16E-02	4.96E-03	9.57E-02	3.10E-02	2.50E-01
Michigan																	

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts									Contribution to Average from ...			
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Bay County	26017	U	Acrylonitrile	4.19E-03	4.87E-03	7.50E-03	8.90E-03	8.94E-03	9.56E-03	1.17E-02	1.37E-02	7.38E-03	1.56E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Arsenic Compounds	2.79E-05	6.33E-05	1.26E-04	1.82E-04	1.55E-04	1.96E-04	2.12E-04	2.21E-04	1.04E-04	2.18E-05	0.00E+00	2.24E-05	6.55E-06
Michigan	Bay County	26017	U	Benzene	6.39E-01	7.05E-01	7.89E-01	9.76E-01	9.40E-01	1.02E+00	1.13E+00	1.30E+00	4.52E-03	1.12E-01	3.03E-01	4.13E-02	4.80E-01
Michigan	Bay County	26017	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Beryllium Compounds	1.20E-06	1.46E-06	2.26E-06	3.90E-06	3.92E-06	5.12E-06	6.81E-06	6.87E-06	1.37E-06	2.51E-06	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	1,3-Butadiene	3.56E-03	8.59E-03	1.17E-02	2.41E-02	2.50E-02	3.14E-02	4.86E-02	6.31E-02	0.00E+00	5.98E-05	2.14E-02	3.52E-03	0.00E+00
Michigan	Bay County	26017	U	Cadmium Compounds	1.16E-05	1.71E-05	4.94E-05	1.48E-04	1.60E-04	2.10E-04	4.57E-04	5.27E-04	9.69E-06	1.50E-04	0.00E+00	1.45E-07	0.00E+00
Michigan	Bay County	26017	U	Carbon Disulfide	4.75E-02	4.76E-02	4.81E-02	4.88E-02	4.99E-02	5.01E-02	5.12E-02	5.14E-02	5.72E-04	2.36E-03	0.00E+00	0.00E+00	4.70E-02
Michigan	Bay County	26017	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.82E-01	8.82E-01	8.82E-01	8.85E-01	1.07E-03	5.10E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Bay County	26017	U	Chloroform	8.47E-02	8.51E-02	8.83E-02	9.31E-02	9.52E-02	9.91E-02	1.06E-01	1.09E-01	7.33E-04	1.15E-02	0.00E+00	0.00E+00	8.30E-02
Michigan	Bay County	26017	U	Chromium Compounds (includes Hexavalent)	5.65E-05	2.00E-04	3.99E-04	5.54E-04	4.83E-04	6.15E-04	6.46E-04	6.77E-04	4.57E-04	7.92E-06	1.72E-05	8.00E-07	0.00E+00
Michigan	Bay County	26017	U	Chromium VI	1.33E-05	8.36E-05	1.79E-04	2.55E-04	2.22E-04	2.90E-04	3.14E-04	3.41E-04	2.11E-04	4.62E-06	6.88E-06	2.72E-07	0.00E+00
Michigan	Bay County	26017	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	1,4-Dichlorobenzene	5.37E-03	7.92E-03	1.61E-02	3.58E-02	3.67E-02	5.47E-02	7.69E-02	8.18E-02	2.49E-06	3.66E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	1,3-Dichloropropene	9.88E-03	1.49E-02	3.16E-02	7.18E-02	7.34E-02	1.11E-01	1.56E-01	1.66E-01	0.00E+00	7.34E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.35E-08	8.94E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Bay County	26017	U	Ethylene Dichloride	6.12E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.12E-02	6.14E-02	6.14E-02	6.02E-05	2.01E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Bay County	26017	U	Ethylene Oxide	1.10E-03	1.17E-03	3.08E-03	5.36E-03	5.43E-03	7.31E-03	1.00E-02	1.06E-02	1.37E-03	4.06E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Formaldehyde	2.99E-01	3.49E-01	3.78E-01	4.63E-01	4.55E-01	4.94E-01	6.04E-01	6.85E-01	1.93E-04	6.32E-03	1.52E-01	4.64E-02	2.50E-01
Michigan	Bay County	26017	U	Hexachlorobenzene	9.31E-05	9.32E-05	9.34E-05	9.35E-05	9.35E-05	9.37E-05	9.38E-05	9.39E-05	0.00E+00	5.18E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Bay County	26017	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.89E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Bay County	26017	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Hydrazine	1.40E-05	1.68E-05	3.55E-05	4.50E-05	6.58E-05	5.36E-05	7.04E-05	8.41E-05	6.57E-05	3.60E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Lead Compounds	1.33E-04	1.68E-04	3.53E-04	4.79E-04	4.54E-04	5.84E-04	6.34E-04	7.64E-04	8.04E-05	7.95E-05	0.00E+00	2.94E-04	0.00E+00
Michigan	Bay County	26017	U	Manganese Compounds	3.18E-05	4.85E-04	8.08E-04	9.77E-04	9.26E-04	1.09E-03	1.27E-03	1.41E-03	5.26E-04	3.93E-04	5.51E-06	1.47E-06	0.00E+00
Michigan	Bay County	26017	U	Mercury Compounds	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	1.56E-03	1.58E-03	1.59E-03	1.81E-06	2.34E-05	2.33E-05	5.54E-06	1.50E-03
Michigan	Bay County	26017	U	Methylene Chloride	1.67E-01	1.75E-01	1.96E-01	2.44E-01	2.53E-01	2.96E-01	3.64E-01	3.82E-01	5.70E-03	9.71E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Bay County	26017	U	Nickel Compounds	3.70E-04	4.49E-04	8.65E-04	1.05E-03	1.02E-03	1.26E-03	1.49E-03	1.57E-03	8.22E-04	1.56E-04	1.29E-05	2.50E-05	0.00E+00
Michigan	Bay County	26017	U	Perchloroethylene	1.58E-01	1.59E-01	2.17E-01	2.39E-01	2.30E-01	2.48E-01	2.67E-01	2.86E-01	8.06E-03	8.20E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Bay County	26017	U	Polychlorinated Biphenyls	3.93E-04	3.98E-04	4.17E-04	4.33E-04	4.37E-04	4.62E-04	4.73E-04	4.87E-04	0.00E+00	5.71E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Bay County	26017	U	Polycyclic Organic Matter	2.02E-02	2.11E-02	2.72E-02	4.43E-02	4.29E-02	5.73E-02	6.70E-02	7.03E-02	1.69E-05	3.53E-02	6.74E-03	8.29E-04	0.00E+00
Michigan	Bay County	26017	U	7-PAH	7.47E-04	7.76E-04	8.91E-04	1.00E-03	1.11E-03	1.28E-03	1.76E-03	1.82E-03	5.63E-08	1.05E-03	4.59E-05	9.26E-06	0.00E+00
Michigan	Bay County	26017	U	Propylene Dichloride	5.91E-05	6.26E-05	6.57E-05	7.13E-05	9.17E-05	7.36E-05	1.36E-04	1.58E-04	1.64E-06	9.00E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Quinoline	1.01E-08	1.28E-08	3.36E-08	7.52E-08	1.21E-07	1.55E-07	3.62E-07	4.78E-07	0.00E+00	1.21E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	1,1,2,2-Tetrachloroethane	5.30E-04	5.48E-04	5.75E-04	6.07E-04	7.87E-04	6.41E-04	1.20E-03	1.45E-03	1.50E-05	7.72E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Bay County	26017	U	Trichloroethylene	8.32E-02	8.48E-02	8.60E-02	9.08E-02	9.19E-02	9.50E-02	1.04E-01	1.04E-01	2.87E-05	1.09E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Bay County	26017	U	Vinyl Chloride	1.53E-03	1.61E-03	1.80E-03	1.85E-03	2.31E-03	1.98E-03	3.59E-03	3.62E-03	3.69E-05	2.28E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Benzie County	26019	R	Acetaldehyde	1.17E-02	1.17E-02	4.16E-02	4.92E-02	4.32E-02	5.09E-02	5.69E-02	5.69E-02	1.59E-03	1.12E-03	2.93E-02	1.12E-02	0.00E+00
Michigan	Benzie County	26019	R	Acrolein	4.05E-03	4.05E-03	9.27E-03	1.05E-02	9.35E-03	1.08E-02	1.10E-02	1.10E-02	4.49E-06	1.73E-03	4.21E-03	3.40E-03	0.00E+00
Michigan	Benzie County	26019	R	Acrylonitrile	1.07E-04	1.07E-04	4.85E-04	6.70E-04	1.40E-03	1.63E-03	4.84E-03	4.84E-03	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Benzie County	26019	R	Arsenic Compounds	1.27E-06	1.27E-06	6.56E-06	8.17E-06	8.43E-06	1.08E-05	1.57E-05	1.57E-05	1.49E-06	7.20E-07	4.99E-06	1.23E-06	0.00E+00
Michigan	Benzie County	26019	R	Benzene	5.41E-01	5.41E-01	6.08E-01	6.31E-01	6.35E-01	6.44E-01	7.57E-01	7.57E-01	2.46E-04	5.83E-02	5.09E-02	4.59E-02	4.80E-01
Michigan	Benzie County	26019	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Benzie County	26019	R	Beryllium Compounds	2.99E-08	2.99E-08	2.44E-07	2.86E-07	2.99E-07	3.17E-07	6.29E-07	6.29E-07	1.20E-10	2.97E-07	0.00E+00	1.87E-09	0.00E+00
Michigan	Benzie County	260															

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Benzie County	26019	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.53E-03	1.53E-03	4.26E-09	4.96E-06	5.92E-06	8.54E-07	1.50E-03		
Michigan	Benzie County	26019	R	Methylene Chloride	1.52E-01	1.52E-01	1.60E-01	1.63E-01	1.68E-01	1.68E-01	2.01E-01	2.01E-01	2.01E-05	1.77E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Benzie County	26019	R	Nickel Compounds	1.10E-05	1.10E-05	1.11E-05	1.12E-05	1.79E-05	1.48E-05	4.24E-05	4.24E-05	5.00E-09	1.16E-05	2.18E-06	4.11E-06	0.00E+00		
Michigan	Benzie County	26019	R	Perchloroethylene	1.41E-01	1.41E-01	1.53E-01	1.56E-01	1.56E-01	1.58E-01	1.74E-01	1.74E-01	2.51E-05	1.64E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Benzie County	26019	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.91E-04	3.95E-04	4.23E-04	4.17E-04	5.59E-04	5.59E-04	0.00E+00	4.33E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Benzie County	26019	R	Polycyclic Organic Matter	1.10E-03	1.10E-03	8.66E-03	1.03E-02	9.97E-03	1.22E-02	1.72E-02	1.72E-02	1.62E-06	8.54E-03	1.11E-03	3.20E-04	0.00E+00		
Michigan	Benzie County	26019	R	7-PAH	5.92E-05	5.92E-05	4.11E-04	5.06E-04	5.40E-04	5.85E-04	1.17E-03	1.17E-03	2.89E-08	5.20E-04	8.54E-06	1.15E-05	0.00E+00		
Michigan	Benzie County	26019	R	Propylene Dichloride	6.50E-06	6.50E-06	2.90E-05	3.95E-05	8.41E-05	9.79E-05	2.92E-04	2.92E-04	0.00E+00	8.41E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Benzie County	26019	R	Quinoline	2.78E-09	2.78E-09	3.70E-09	8.91E-09	9.35E-09	1.41E-08	1.77E-08	1.77E-08	0.00E+00	9.35E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Benzie County	26019	R	1,1,2,2-Tetrachloroethane	5.88E-05	5.88E-05	2.65E-04	3.69E-04	7.72E-04	9.01E-04	2.67E-03	2.67E-03	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Benzie County	26019	R	Trichloroethylene	8.12E-02	8.12E-02	8.22E-02	8.27E-02	8.37E-02	8.36E-02	8.95E-02	8.95E-02	1.00E-05	2.64E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Benzie County	26019	R	Vinyl Chloride	1.50E-04	1.50E-04	6.72E-04	1.91E-03	9.13E-04	1.91E-03	2.22E-03	6.59E-03	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Acetaldehyde	1.68E-01	1.83E-01	2.19E-01	2.63E-01	2.98E-01	3.77E-01	4.35E-01	5.03E-01	3.17E-02	5.10E-03	2.26E-01	3.48E-02	0.00E+00		
Michigan	Berrien County	26021	R	Acrolein	2.21E-02	2.30E-02	2.60E-02	3.53E-02	3.49E-02	4.25E-02	4.67E-02	4.80E-02	4.77E-06	3.32E-03	2.72E-02	4.35E-03	0.00E+00		
Michigan	Berrien County	26021	R	Acrylonitrile	2.82E-04	3.23E-04	4.20E-04	5.46E-04	1.53E-03	9.01E-04	1.48E-03	1.94E-03	5.49E-06	1.53E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Arsenic Compounds	2.95E-05	3.15E-05	3.67E-05	4.76E-05	5.50E-05	7.23E-05	8.57E-05	9.33E-05	1.26E-05	6.45E-06	2.85E-05	7.37E-06	0.00E+00		
Michigan	Berrien County	26021	R	Benzene	7.49E-01	7.70E-01	8.38E-01	1.03E+00	1.04E+00	1.14E+00	1.47E+00	1.54E+00	3.47E-03	1.41E-01	3.56E-01	6.41E-02	4.80E-01		
Michigan	Berrien County	26021	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-09	0.00E+00	8.15E-09	9.65E-09	0.00E+00	1.46E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Beryllium Compounds	1.27E-06	1.39E-06	1.61E-06	2.32E-06	2.57E-06	3.23E-06	4.18E-06	4.51E-06	1.16E-07	2.14E-06	0.00E+00	3.14E-07	0.00E+00		
Michigan	Berrien County	26021	R	1,3-Butadiene	7.63E-03	8.22E-03	1.47E-02	2.20E-02	3.09E-02	3.86E-02	6.56E-02	9.19E-02	1.58E-07	1.31E-04	2.54E-02	5.36E-03	0.00E+00		
Michigan	Berrien County	26021	R	Cadmium Compounds	3.13E-06	4.67E-06	7.97E-06	1.38E-05	1.76E-05	2.26E-05	3.99E-05	4.23E-05	1.80E-06	1.55E-05	0.00E+00	3.23E-07	0.00E+00		
Michigan	Berrien County	26021	R	Carbon Disulfide	4.73E-02	4.74E-02	4.75E-02	4.77E-02	4.87E-02	4.86E-02	5.13E-02	5.27E-02	2.30E-04	1.52E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Berrien County	26021	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	9.05E-09	3.29E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Berrien County	26021	R	Chloroform	8.94E-02	8.98E-02	9.18E-02	1.02E-01	1.04E-01	1.09E-01	1.22E-01	1.35E-01	2.58E-07	2.05E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Berrien County	26021	R	Chromium Compounds (includes Hexavalent)	4.20E-05	5.19E-05	8.84E-05	1.67E-04	2.45E-04	3.89E-04	5.27E-04	5.96E-04	2.15E-05	2.01E-04	2.15E-05	8.78E-07	0.00E+00		
Michigan	Berrien County	26021	R	Chromium VI	1.94E-05	2.50E-05	3.78E-05	5.92E-05	9.03E-05	1.37E-04	2.03E-04	2.25E-04	5.44E-06	7.60E-05	8.58E-06	2.98E-07	0.00E+00		
Michigan	Berrien County	26021	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	1,4-Dichlorobenzene	9.76E-03	1.12E-02	1.46E-02	2.89E-02	3.19E-02	4.41E-02	5.49E-02	7.41E-02	4.49E-07	3.19E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	1,3-Dichloropropene	1.87E-02	2.19E-02	2.87E-02	5.72E-02	6.38E-02	8.88E-02	1.11E-01	1.51E-01	0.00E+00	6.38E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.89E-09	9.23E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Berrien County	26021	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.12E-02	6.14E-02	6.31E-02	8.18E-07	3.12E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Berrien County	26021	R	Ethylene Oxide	7.90E-04	9.16E-04	1.42E-03	2.76E-03	3.34E-03	4.60E-03	6.47E-03	8.19E-03	2.19E-06	3.33E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Formaldehyde	3.88E-01	3.99E-01	4.25E-01	4.97E-01	5.05E-01	5.52E-01	6.72E-01	7.33E-01	1.42E-03	8.43E-03	1.89E-01	5.61E-02	2.50E-01		
Michigan	Berrien County	26021	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.37E-05	9.37E-05	9.39E-05	9.44E-05	9.45E-05	0.00E+00	7.18E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Berrien County	26021	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.59E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Berrien County	26021	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	7.87E-07	1.53E-06	1.67E-06	5.25E-06	6.58E-06	3.15E-07	1.22E-06	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Hydrazine	2.27E-09	2.48E-09	4.52E-09	1.38E-08	3.09E-08	3.13E-08	5.93E-08	1.59E-07	0.00E+00	3.09E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Lead Compounds	2.74E-04	3.95E-04	6.54E-04	8.93E-04	1.35E-03	1.66E-03	2.61E-03	3.08E-03	1.84E-04	4.74E-04	0.00E+00	6.92E-04	0.00E+00		
Michigan	Berrien County	26021	R	Manganese Compounds	1.91E-04	2.03E-04	2.50E-04	6.95E-04	8.08E-04	1.12E-03	1.98E-03	2.18E-03	2.93E-04	5.07E-04	6.88E-06	8.58E-07	0.00E+00		
Michigan	Berrien County	26021	R	Mercury Compounds	1.53E-03	1.54E-03	1.54E-03	1.56E-03	1.57E-03	1.59E-03	1.63E-03	1.68E-03	5.61E-07	3.47E-05	3.00E-05	6.34E-06	1.50E-03		
Michigan	Berrien County	26021	R	Methylene Chloride	2.23E-01	2.23E-01	2.96E-01	4.33E-01	4.28E-01	5.40E-01	5.84E-01	7.34E-01	1.87E-01	9.09E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Berrien County	26021	R	Nickel Compounds	1.73E-04	1.87E-04	2.51E-04	4.83E-04	5.12E-04	6.57E-04	9.01E-04	1.21E-03	1.11E-05	4.80E-04	1.61E-05	4.11E-06	0.00E+00		
Michigan	Berrien County	26021	R	Perchloroethylene	1.61E-01	1.63E-01	1.68E-01	1.95E-01	2.27E-01	2.53E-01	3.31E-01	3.91E-01	1.53E-02	7.22E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Berrien County	26021	R	Polychlorinated Biphenyls	4.05E-04	4.08E-04	4.15E-04	4.58E-04	4.63E-04	4.94E-04	5.47E-04	5.54E-04	0.00E+00	8.27E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Berrien County	26021	R	Polycyclic Organic Matter	2.17E-02	2.30E-02	3.08E-02	3.98E-02	4.42E-02	5.55E-02	6.94E-02	7.09E-02	3.42E-04	3.46E-02	8.24E-03	1.07E-03	0.00E+00		
Michigan	Berrien County	26021	R	7-PAH	6.81E-04	7.12E-04	8.43E-04	1.14E-03	1.22E-03	1.35E-03	2.06E-03	2.47E-03	6.26E-06	1.15E-03	5.69E-05	1.24E-05	0.00E+00		
Michigan	Berrien County	26021	R	Propylene Dichloride	1.68E-05	1.93E-05	2.51E-05	3.34E-05	9.14E-05	5.37E-05	7.86E-05	1.17E-04	2.98E-07	9.11E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Quinoline	3.51E-08	4.02E-08	5.19E-08	1.07E-07	1.43E-07	1.61E-07	2.39E-07	4.53E-07	4.15E-09	1.38E-07	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	1,1,2,2-Tetrachloroethane	1.47E-04	1.69E-04	2.05E-04	2.71E-04	8.05E-04	4.15E-04	7.14E-04	1.07E-03	3.20E-06	8.02E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Berrien County	26021	R	Trichloroethylene	8.50E-02	8.56E-02	8.92E-02	9.63E-02	1.22E-01	1.16E-01	1.45E-01	1.62E-01	2.31E-03	3.85E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Berrien County	26021	R	Vinyl Chloride	5.81E-04	6.48E-04	8.69E-04	1.22E-03	3.66E-03	2.00E-03	4.83E-03	2.68E-02	6.68E-06	3.65E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	Acetaldehyde	7.54E-02	8.51E-02	9.18E-02	1.34E-01	1.47E-01	1.87E-01	2.50E-01	2.62E-01	9.97E-05	3.43E-03	1.29E-01	1.47E-02	0.00E+00		
Michigan	Branch County	26023	R	Acrolein	1.34E-02	1.53E-02	1.63E-02	1.74E-02	2.15E-02	2.81E-02	3.39E-02	3.55E-02	2.04E-06	2.29E-03	1.66E-02	2.55E-03	0.00E+00		
Michigan	Branch County	26023	R	Acrylonitrile	4.02E-04	4.44E-04	5.05E-04	5.96E-04	1.07E-03	1.41E-03	1.78E-03	3.63E-03	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	Arsenic Compounds	1.79E-05	1.85E-05	1.88E-05	2.18E-05	3.24E-05	4.56E-05	6.36E-05	6.93E-05	1.51E-06	3.55E-06	2.21E-05	5.30E-06	0.00E+00		
Michigan	Branch County	26023	R	Benzene	6.35E-01	6.59E-01	6.77E-01	7.04E-01	8.29E-01	9.68E-01	1.24E+00	1.31E+00	2.37E-04	8.58E-02	2.30E-01	3.34E-02			

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Branch County	26023	R	Chromium VI	8.10E-06	1.67E-05	1.73E-05	2.48E-05	3.02E-05	4.45E-05	5.07E-05	5.59E-05	5.51E-06	1.89E-05	5.68E-06	1.23E-07	0.00E+00		
Michigan	Branch County	26023	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	1,4-Dichlorobenzene	6.15E-03	7.21E-03	7.50E-03	1.15E-02	4.25E-02	2.15E-02	5.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	1,3-Dichloropropene	1.18E-02	1.40E-02	1.45E-02	2.26E-02	3.49E-02	4.25E-02	8.59E-02	1.03E-01	0.00E+00	3.49E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.33E-09	6.12E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Branch County	26023	R	Ethylene Dichloride	6.13E-02	6.13E-02	6.14E-02	6.16E-02	6.16E-02	6.18E-02	6.20E-02	6.20E-02	4.60E-04	1.86E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Branch County	26023	R	Ethylene Oxide	5.17E-04	6.10E-04	7.02E-04	1.11E-03	1.85E-03	2.20E-03	5.32E-03	5.48E-03	1.73E-08	1.85E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Branch County	26023	R	Formaldehyde	3.69E-01	3.74E-01	3.93E-01	4.33E-01	4.59E-01	5.10E-01	5.76E-01	6.35E-01	4.33E-02	8.65E-03	1.25E-01	3.26E-02	2.50E-01		
Michigan	Branch County	26023	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.35E-05	9.38E-05	9.40E-05	9.50E-05	9.59E-05	0.00E+00	8.32E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Branch County	26023	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.68E-08	0.00E+00	0.00E+00	1.80E-03	
Michigan	Branch County	26023	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Hydrazine	6.72E-10	8.45E-10	1.13E-09	3.35E-09	6.00E-09	1.08E-08	1.62E-08	1.70E-08	6.67E-10	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Lead Compounds	1.67E-04	1.72E-04	2.32E-04	3.19E-04	3.00E-04	3.71E-04	3.81E-04	4.18E-04	1.39E-04	5.07E-05	0.00E+00	1.11E-04	0.00E+00		
Michigan	Branch County	26023	R	Manganese Compounds	5.91E-05	2.67E-04	3.09E-04	3.56E-04	4.72E-04	4.23E-04	1.20E-03	1.25E-03	2.40E-04	2.27E-04	4.47E-06	4.72E-07	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.56E-03	1.58E-03	1.59E-03	4.06E-06	8.72E-06	2.54E-05	4.44E-06	1.50E-03	0.00E+00	
Michigan	Branch County	26023	R	Methylene Chloride	2.31E-01	2.66E-01	2.83E-01	3.71E-01	4.03E-01	5.18E-01	6.43E-01	6.48E-01	1.09E-01	1.44E-01	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
Michigan	Branch County	26023	R	Nickel Compounds	1.08E-04	1.09E-04	1.25E-04	3.13E-04	3.13E-04	2.72E-04	3.15E-04	1.61E-03	1.37E-05	2.87E-04	1.06E-05	7.32E-07	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Perchloroethylene	1.48E-01	1.53E-01	1.54E-01	1.56E-01	1.65E-01	1.80E-01	1.92E-01	1.98E-01	2.14E-07	2.53E-02	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
Michigan	Branch County	26023	R	Polychlorinated Biphenyls	4.05E-04	4.07E-04	4.09E-04	4.32E-04	4.71E-04	4.85E-04	6.14E-04	7.14E-04	5.99E-12	9.08E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
Michigan	Branch County	26023	R	Polycyclic Organic Matter	1.18E-02	1.23E-02	1.33E-02	1.70E-02	2.34E-02	2.92E-02	4.91E-02	5.59E-02	4.47E-05	1.75E-02	5.42E-03	4.51E-04	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	7-PAH	4.19E-04	4.41E-04	4.74E-04	6.16E-04	7.90E-04	8.90E-04	1.44E-03	1.99E-03	1.85E-08	7.44E-04	4.02E-05	5.96E-06	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Propylene Dichloride	2.49E-05	2.66E-05	3.02E-05	3.67E-05	6.39E-05	8.31E-05	1.04E-04	2.18E-04	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Quinoline	7.22E-09	7.35E-09	8.88E-09	1.65E-08	2.28E-08	3.68E-08	4.97E-08	5.22E-08	0.00E+00	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	1,1,2,2-Tetrachloroethane	2.18E-04	2.40E-04	2.72E-04	3.23E-04	5.71E-04	7.34E-04	9.11E-04	1.97E-03	0.00E+00	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Branch County	26023	R	Trichloroethylene	8.34E-02	8.40E-02	8.43E-02	8.59E-02	8.84E-02	9.22E-02	9.76E-02	9.91E-02	0.00E+00	7.36E-03	0.00E+00	0.00E+00	8.10E-02	0.00E+00	
Michigan	Branch County	26023	R	Vinyl Chloride	6.95E-04	7.57E-04	8.76E-04	1.09E-03	2.18E-03	3.47E-03	4.72E-03	6.39E-03	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Acetaldehyde	1.12E-01	1.47E-01	2.21E-01	2.90E-01	3.00E-01	3.74E-01	4.29E-01	5.27E-01	1.42E-03	2.57E-03	2.68E-01	2.72E-02	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Acrolein	1.64E-02	1.96E-02	3.01E-02	3.67E-02	3.59E-02	4.33E-02	4.65E-02	4.80E-02	1.95E-05	3.53E-03	2.89E-02	3.48E-03	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Acrylonitrile	5.34E-04	7.22E-04	1.04E-03	1.37E-03	1.71E-03	1.70E-03	2.53E-03	3.62E-03	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Arsenic Compounds	1.78E-05	2.71E-05	3.55E-05	5.17E-05	5.11E-05	6.59E-05	7.16E-05	7.47E-05	7.53E-06	5.99E-06	3.10E-05	6.49E-06	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Benzene	6.56E-01	7.08E-01	8.69E-01	1.06E+00	1.04E+00	1.22E+00	1.29E+00	1.33E+00	1.67E-03	8.65E-02	4.21E-01	4.81E-02	4.80E-01	0.00E+00	
Michigan	Calhoun County	26025	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Beryllium Compounds	1.66E-06	2.82E-06	3.57E-06	4.94E-06	5.81E-06	7.35E-06	1.11E-05	1.31E-05	7.48E-07	4.23E-06	0.00E+00	8.31E-07	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	1,3-Butadiene	6.21E-03	7.96E-03	1.93E-02	3.29E-02	3.82E-02	5.80E-02	6.37E-02	7.14E-02	2.54E-06	1.50E-04	3.34E-02	4.64E-03	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Cadmium Compounds	1.16E-04	1.23E-04	1.40E-04	1.59E-04	2.99E-03	3.36E-04	7.13E-03	1.32E-02	2.97E-03	2.63E-05	0.00E+00	8.29E-07	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Carbon Disulfide	4.73E-02	4.74E-02	4.76E-02	4.77E-02	4.82E-02	4.80E-02	4.99E-02	5.11E-02	3.04E-05	1.19E-03	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
Michigan	Calhoun County	26025	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.82E-01	3.74E-05	2.65E-04	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
Michigan	Calhoun County	26025	U	Chloroform	8.52E-02	8.57E-02	8.84E-02	9.10E-02	9.08E-02	9.27E-02	9.43E-02	9.67E-02	2.25E-04	7.59E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
Michigan	Calhoun County	26025	U	Chromium Compounds (includes Hexavalent)	5.24E-05	6.00E-05	7.38E-05	9.17E-05	4.99E-04	5.40E-04	1.93E-03	2.53E-03	3.59E-04	1.15E-04	2.41E-05	8.00E-07	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Chromium VI	2.65E-05	2.72E-05	3.33E-05	4.05E-05	1.28E-04	6.84E-05	5.16E-04	7.76E-04	1.82E-05	1.00E-04	9.60E-06	2.72E-07	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	1,4-Dichlorobenzene	8.67E-03	1.01E-02	2.12E-02	3.16E-02	3.56E-02	5.03E-02	5.77E-02	6.20E-02	0.00E+00	3.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	1,3-Dichloropropene	1.66E-02	1.94E-02	4.14E-02	6.25E-02	7.10E-02	1.01E-01	1.16E-01	1.25E-01	0.00E+00	7.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.13E-08	1.29E-06	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
Michigan	Calhoun County	26025	U	Ethylene Dichloride	6.15E-02	6.17E-02	6.21E-02	6.30E-02	6.29E-02	6.34E-02	6.38E-02	6.41E-02	1.55E-03	3.24E-04	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
Michigan	Calhoun County	26025	U	Ethylene Oxide	8.69E-04	1.03E-03	2.25E-03	3.31E-03	3.72E-03	5.22E-03	6.25E-03	6.64E-03	5.80E-08	3.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Formaldehyde	4.30E-01	4.65E-01	5.92E-01	6.74E-01	6.80E-01	7.76E-01	8.69E-01	8.80E-01	1.44E-01	8.60E-03	2.27E-01	5.03E-02	2.50E-01	0.00E+00	
Michigan	Calhoun County	26025	U	Hexachlorobenzene	9.32E-05	9.32E-05	9.34E-05	9.35E-05	9.36E-05	9.38E-05	9.39E-05	9.41E-05	0.00E+00	5.97E-07	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
Michigan	Calhoun County	26025	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.03E-07	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
Michigan	Calhoun County	26025	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Hydrazine	1.35E-09	1.84E-09	5.53E-09	1.06E-08	2.89E-08	1.67E-08	3.79E-08	1.62E-07	2.39E-09	2.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Lead Compounds	6.47E-04	8.04E-04	1.00E-03	1.63E-03	8.37E-03	3.03E-03	1.80E-02	2.77E-02	6.87E-03	1.25E-04	0.00E+00	1.38E-03	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025	U	Manganese Compounds	4.91E-04	5.47E-04	6.00E-04	6.38E-04	1.02E-02	1.04E-03	2.52E-02	4.07E-02	1.00E-02	2.36E-04	7.76E-06	6.87E-07	0.00E+00	0.00E+00	
Michigan	Calhoun County	26025																	

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts									Contribution to Average from ...			
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Calhoun County	26025	U	Vinyl Chloride	1.06E-03	1.31E-03	1.93E-03	2.57E-03	3.78E-03	3.34E-03	7.25E-03	1.45E-02	0.00E+00	3.78E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Acetaldehyde	1.73E-01	1.90E-01	2.09E-01	2.67E-01	2.94E-01	4.09E-01	4.51E-01	4.54E-01	3.45E-02	3.81E-03	0.23E-01	2.31E-02	0.00E+00
Michigan	Cass County	26027	R	Acrolein	2.28E-02	2.35E-02	2.69E-02	2.98E-02	3.14E-02	3.52E-02	4.17E-02	4.24E-02	2.87E-06	2.86E-03	2.41E-02	4.45E-03	0.00E+00
Michigan	Cass County	26027	R	Acrylonitrile	3.70E-04	3.77E-04	4.84E-04	5.57E-04	8.59E-04	7.44E-04	1.31E-03	4.31E-03	0.00E+00	8.59E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Arsenic Compounds	3.18E-05	3.27E-05	4.23E-05	5.28E-05	5.55E-05	7.38E-05	7.45E-05	8.63E-05	1.94E-05	8.68E-06	2.09E-05	6.53E-06	0.00E+00
Michigan	Cass County	26027	R	Benzene	7.33E-01	7.57E-01	7.87E-01	9.08E-01	8.97E-01	9.89E-01	1.09E+00	1.11E+00	1.03E-03	1.19E-01	2.47E-01	5.07E-02	4.80E-01
Michigan	Cass County	26027	R	Benzidine	0.00E+00	0.00E+00	8.25E-09	1.94E-08	2.20E-08	2.93E-08	5.66E-08	7.12E-08	0.00E+00	2.20E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Beryllium Compounds	1.45E-06	1.81E-06	1.86E-06	2.34E-06	2.45E-06	2.81E-06	3.74E-06	3.95E-06	3.09E-07	1.28E-06	0.00E+00	8.63E-07	0.00E+00
Michigan	Cass County	26027	R	1,3-Butadiene	7.05E-03	7.45E-03	8.82E-03	1.53E-02	1.65E-02	2.75E-02	2.98E-02	3.23E-02	1.54E-07	1.49E-04	1.24E-02	3.98E-03	0.00E+00
Michigan	Cass County	26027	R	Cadmium Compounds	1.18E-05	1.50E-05	1.74E-05	1.95E-05	2.31E-05	3.07E-05	3.82E-05	3.92E-05	1.85E-06	2.04E-05	0.00E+00	8.59E-07	0.00E+00
Michigan	Cass County	26027	R	Carbon Disulfide	4.74E-02	4.79E-02	4.80E-02	4.85E-02	4.89E-02	4.97E-02	5.02E-02	5.12E-02	5.20E-04	1.37E-03	0.00E+00	0.00E+00	4.70E-02
Michigan	Cass County	26027	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.04E-09	2.10E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Cass County	26027	R	Chloroform	8.72E-02	8.74E-02	8.85E-02	9.07E-02	9.09E-02	9.24E-02	9.52E-02	9.93E-02	8.39E-07	7.90E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Cass County	26027	R	Chromium Compounds (includes Hexavalent)	2.90E-04	3.15E-04	3.62E-04	7.17E-04	9.27E-04	1.02E-03	1.61E-03	3.73E-03	4.03E-05	8.71E-04	1.52E-05	8.52E-07	0.00E+00
Michigan	Cass County	26027	R	Chromium VI	9.12E-05	1.04E-04	1.15E-04	2.15E-04	2.74E-04	3.31E-04	4.67E-04	1.04E-03	1.10E-05	2.57E-04	6.09E-06	2.90E-07	0.00E+00
Michigan	Cass County	26027	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	1,4-Dichlorobenzene	1.15E-02	1.21E-02	1.26E-02	1.87E-02	2.16E-02	3.32E-02	3.64E-02	3.96E-02	0.00E+00	2.16E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	1,3-Dichloropropene	2.17E-02	2.30E-02	2.40E-02	3.63E-02	4.24E-02	6.55E-02	7.29E-02	7.89E-02	0.00E+00	4.24E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.32E-09	5.42E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Cass County	26027	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	6.15E-02	6.15E-02	1.48E-05	1.50E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Cass County	26027	R	Ethylene Oxide	7.50E-04	8.22E-04	8.80E-04	1.40E-03	1.77E-03	2.95E-03	3.48E-03	4.04E-03	2.95E-07	1.77E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Formaldehyde	4.08E-01	4.29E-01	4.38E-01	4.71E-01	4.80E-01	5.37E-01	5.47E-01	5.76E-01	4.23E-03	1.52E-02	1.64E-01	4.73E-02	2.50E-01
Michigan	Cass County	26027	R	Hexachlorobenzene	9.34E-05	9.34E-05	9.34E-05	9.36E-05	9.39E-05	9.44E-05	9.49E-05	9.50E-05	0.00E+00	8.85E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Cass County	26027	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.76E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Cass County	26027	R	Hexamethylene Diisocyanate	2.03E-06	3.71E-06	5.17E-06	7.19E-06	7.46E-06	9.75E-06	1.23E-05	1.34E-05	3.71E-06	3.76E-06	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Hydrazine	2.11E-09	2.15E-09	2.67E-09	4.68E-09	6.78E-09	7.77E-09	1.54E-08	2.35E-08	3.60E-11	6.75E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Lead Compounds	1.07E-03	1.40E-03	2.01E-03	2.26E-03	2.78E-03	2.85E-03	4.83E-03	7.45E-03	2.64E-04	1.63E-03	0.00E+00	8.83E-04	0.00E+00
Michigan	Cass County	26027	R	Manganese Compounds	2.70E-04	3.09E-04	3.58E-04	5.57E-04	6.44E-04	8.08E-04	1.29E-03	1.46E-03	1.05E-04	5.34E-04	4.69E-06	7.03E-07	0.00E+00
Michigan	Cass County	26027	R	Mercury Compounds	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.55E-03	1.56E-03	1.56E-03	2.44E-06	1.16E-05	2.27E-05	6.38E-06	1.50E-03
Michigan	Cass County	26027	R	Methylene Chloride	3.77E-01	4.05E-01	5.43E-01	6.07E-01	7.07E-01	7.16E-01	1.18E+00	1.64E+00	4.47E-01	1.09E-01	0.00E+00	0.00E+00	1.50E-01
Michigan	Cass County	26027	R	Nickel Compounds	2.52E-04	2.53E-04	2.79E-04	3.40E-04	1.17E-03	4.52E-04	1.48E-03	1.17E-02	2.75E-05	1.13E-03	1.13E-05	1.25E-06	0.00E+00
Michigan	Cass County	26027	R	Perchloroethylene	1.56E-01	1.57E-01	1.60E-01	1.65E-01	1.66E-01	1.74E-01	1.79E-01	1.82E-01	7.82E-04	2.57E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Cass County	26027	R	Polychlorinated Biphenyls	4.14E-04	4.16E-04	4.20E-04	4.37E-04	4.79E-04	5.46E-04	5.91E-04	6.23E-04	1.56E-11	9.86E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Cass County	26027	R	Polycyclic Organic Matter	2.13E-02	2.34E-02	2.48E-02	3.51E-02	3.52E-02	4.18E-02	4.98E-02	5.34E-02	5.00E-04	2.77E-02	5.95E-03	1.06E-03	0.00E+00
Michigan	Cass County	26027	R	7-PAH	7.66E-04	7.85E-04	8.96E-04	1.20E-03	1.27E-03	1.56E-03	1.86E-03	1.99E-03	7.70E-06	1.21E-03	4.08E-05	1.15E-05	0.00E+00
Michigan	Cass County	26027	R	Propylene Dichloride	2.18E-05	2.47E-05	3.04E-05	3.42E-05	5.23E-05	4.50E-05	7.95E-05	2.62E-04	2.33E-08	5.22E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Quinoline	4.61E-08	4.96E-08	5.91E-08	8.35E-08	9.55E-08	1.14E-07	1.62E-07	2.27E-07	0.00E+00	9.55E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	1,1,2,2-Tetrachloroethane	1.71E-04	1.92E-04	2.39E-04	2.74E-04	4.45E-04	3.84E-04	7.02E-04	2.38E-03	2.08E-09	4.45E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Cass County	26027	R	Trichloroethylene	9.64E-02	9.77E-02	1.01E-01	1.10E-01	1.14E-01	1.19E-01	1.45E-01	1.57E-01	2.25E-02	1.09E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Cass County	26027	R	Vinyl Chloride	6.44E-04	7.33E-04	9.12E-04	1.17E-03	1.69E-03	1.94E-03	3.94E-03	6.06E-03	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Charlevoix County	26029	R	Acetaldehyde	4.13E-02	4.89E-02	6.32E-02	6.49E-02	7.75E-02	9.74E-02	1.13E-01	1.67E-01	9.82E-04	1.23E-03	4.54E-02	2.99E-02	0.00E+00
Michigan	Charlevoix County	26029	R	Acrolein	3.65E-03	4.21E-03	9.18E-03	1.02E-02	1.10E-02	1.39E-02	1.63E-02	1.94E-02	1.72E-04	2.41E-03	5.39E-03	3.06E-03	0.00E+00
Michigan	Charlevoix County	26029	R	Acrylonitrile	1.40E-07	4.86E-05	2.18E-04	2.87E-04	3.51E-04	4.45E-04							

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Charlevoix County	26029	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	6.45E-12	7.09E-12	9.69E-12	1.33E-11	3.65E-11	0.00E+00	7.09E-12	0.00E+00	0.00E+00	0.00E+00
Michigan	Charlevoix County	26029	R	Lead Compounds	5.62E-05	7.12E-05	8.54E-05	1.27E-04	1.99E-04	1.96E-04	4.00E-04	9.91E-04	4.53E-07	2.88E-05	0.00E+00	1.69E-04	0.00E+00
Michigan	Charlevoix County	26029	R	Manganese Compounds	3.88E-06	5.59E-03	1.07E-02	2.33E-02	7.00E-02	9.17E-02	2.81E-01	3.15E-01	6.26E-02	7.48E-03	1.47E-06	8.19E-07	0.00E+00
Michigan	Charlevoix County	26029	R	Mercury Compounds	1.50E-03	1.51E-03	1.52E-03	1.54E-03	1.65E-03	1.57E-03	1.86E-03	2.88E-03	7.38E-09	1.35E-04	9.33E-06	2.20E-06	1.50E-03
Michigan	Charlevoix County	26029	R	Methylene Chloride	1.50E-01	1.52E-01	1.60E-01	1.66E-01	1.80E-01	2.00E-01	2.21E-01	2.65E-01	1.55E-05	3.03E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Charlevoix County	26029	R	Nickel Compounds	2.59E-05	2.85E-05	4.59E-05	7.34E-05	8.72E-05	1.05E-04	1.84E-04	2.36E-04	2.94E-07	7.00E-05	3.42E-06	1.34E-05	0.00E+00
Michigan	Charlevoix County	26029	R	Perchloroethylene	1.40E-01	1.41E-01	1.47E-01	1.55E-01	1.75E-01	1.69E-01	2.07E-01	4.15E-01	5.09E-08	3.50E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Charlevoix County	26029	R	Polychlorinated Biphenyls	3.80E-04	3.83E-04	3.92E-04	4.02E-04	4.49E-04	4.39E-04	6.51E-04	7.27E-04	0.00E+00	6.86E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Charlevoix County	26029	R	Polycyclic Organic Matter	1.05E-03	1.88E-03	1.18E-02	1.44E-02	1.84E-02	2.45E-02	3.48E-02	5.14E-02	3.74E-08	1.60E-02	1.75E-03	5.77E-04	0.00E+00
Michigan	Charlevoix County	26029	R	7-PAH	6.57E-05	9.22E-05	5.33E-04	6.44E-04	8.03E-04	1.08E-03	1.74E-03	2.46E-03	5.79E-10	7.78E-04	1.33E-05	1.16E-05	0.00E+00
Michigan	Charlevoix County	26029	R	Propylene Dichloride	4.17E-09	2.91E-06	1.31E-05	1.68E-05	2.09E-05	2.68E-05	4.37E-05	6.93E-05	0.00E+00	2.09E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Charlevoix County	26029	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	2.30E-10	2.07E-10	3.18E-10	4.14E-10	6.87E-10	0.00E+00	2.07E-10	0.00E+00	0.00E+00	0.00E+00
Michigan	Charlevoix County	26029	R	1,1,2,2-Tetrachloroethane	6.52E-10	2.63E-05	1.27E-04	1.55E-04	1.92E-04	2.51E-04	3.99E-04	6.34E-04	0.00E+00	1.92E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Charlevoix County	26029	R	Trichloroethylene	8.10E-02	8.12E-02	8.22E-02	8.35E-02	8.53E-02	8.90E-02	9.13E-02	9.83E-02	0.00E+00	4.26E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Charlevoix County	26029	R	Vinyl Chloride	4.60E-06	6.48E-05	3.16E-04	3.85E-04	4.76E-04	6.21E-04	9.85E-04	1.56E-03	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Acetaldehyde	2.29E-02	2.29E-02	4.08E-02	5.19E-02	5.83E-02	6.35E-02	1.13E-01	1.13E-01	3.23E-04	1.71E-03	4.98E-02	6.42E-03	0.00E+00
Michigan	Cheboygan County	26031	R	Acrolein	7.68E-03	7.68E-03	1.00E-02	1.14E-02	1.19E-02	1.29E-02	1.74E-02	1.74E-02	6.60E-05	2.86E-03	6.67E-03	2.32E-03	0.00E+00
Michigan	Cheboygan County	26031	R	Acrylonitrile	1.44E-04	1.44E-04	1.67E-04	3.52E-04	7.29E-04	5.36E-04	3.81E-03	3.81E-03	0.00E+00	7.29E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Arsenic Compounds	4.61E-06	4.61E-06	8.00E-06	9.49E-06	1.10E-05	1.66E-05	1.75E-05	1.75E-05	2.36E-07	1.02E-06	8.16E-06	1.59E-06	0.00E+00
Michigan	Cheboygan County	26031	R	Benzene	5.69E-01	5.69E-01	6.00E-01	6.44E-01	7.27E-01	6.83E-01	1.44E+00	1.44E+00	3.39E-05	1.39E-01	7.66E-02	3.13E-02	4.80E-01
Michigan	Cheboygan County	26031	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Beryllium Compounds	1.42E-07	1.42E-07	2.50E-07	3.65E-07	4.53E-07	4.18E-07	1.51E-06	1.51E-06	1.39E-08	4.35E-07	0.00E+00	3.46E-09	0.00E+00
Michigan	Cheboygan County	26031	R	1,3-Butadiene	2.87E-03	2.87E-03	5.37E-03	6.74E-03	7.41E-03	9.46E-03	1.28E-02	1.28E-02	0.00E+00	5.51E-04	4.84E-03	2.02E-03	0.00E+00
Michigan	Cheboygan County	26031	R	Cadmium Compounds	6.03E-07	6.03E-07	1.68E-06	1.70E-06	3.88E-06	3.30E-06	1.22E-05	1.22E-05	3.19E-08	3.80E-06	0.00E+00	4.83E-08	0.00E+00
Michigan	Cheboygan County	26031	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.77E-02	4.77E-02	9.76E-08	2.35E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Cheboygan County	26031	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	4.04E-05	0.00E+00	0.00E+00	8.80E-01
Michigan	Cheboygan County	26031	R	Chloroform	8.36E-02	8.36E-02	8.40E-02	8.42E-02	8.46E-02	8.45E-02	8.71E-02	8.71E-02	0.00E+00	1.61E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Cheboygan County	26031	R	Chromium Compounds (includes Hexavalent)	3.52E-06	3.52E-06	6.42E-06	8.93E-06	8.53E-06	1.22E-05	1.31E-05	1.31E-05	1.54E-07	3.06E-06	4.88E-06	4.35E-07	0.00E+00
Michigan	Cheboygan County	26031	R	Chromium VI	1.33E-06	1.33E-06	2.46E-06	3.30E-06	3.35E-06	4.78E-06	5.50E-06	5.50E-06	2.77E-08	1.21E-06	1.97E-06	1.48E-07	0.00E+00
Michigan	Cheboygan County	26031	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	1,4-Dichlorobenzene	1.89E-03	1.89E-03	3.26E-03	3.81E-03	5.61E-03	5.62E-03	1.48E-02	1.48E-02	0.00E+00	5.61E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	1,3-Dichloropropene	3.56E-03	3.56E-03	6.31E-03	7.39E-03	1.10E-02	1.04E-02	2.98E-02	2.98E-02	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	4.01E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Cheboygan County	26031	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.15E-02	6.15E-02	3.00E-08	8.96E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Cheboygan County	26031	R	Ethylene Oxide	1.97E-04	1.97E-04	3.30E-04	4.13E-04	6.13E-04	5.41E-04	1.60E-03	1.60E-03	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Formaldehyde	2.88E-01	2.88E-01	3.09E-01	3.21E-01	3.22E-01	3.37E-01	3.61E-01	3.61E-01	1.81E-03	9.72E-03	4.39E-02	1.67E-02	2.50E-01
Michigan	Cheboygan County	26031	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.33E-05	9.32E-05	9.41E-05	9.41E-05	0.00E+00	2.63E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Cheboygan County	26031	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.24E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Cheboygan County	26031	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-12	1.33E-11	2.91E-11	2.91E-11	0.00E+00	7.21E-12	0.00E+00	0.00E+00	0.00E+00
Michigan	Cheboygan County	26031	R	Lead Compounds	5.66E-05	5.66E-05	1.08E-04	1.34E-04	1.69E-04	1.50E-04	4.69E-04	4.69E-04	2.53E-07	1.03E-05	0.00E+00	1.58E-04	0.00E+00
Michigan	Cheboygan County	26031	R	Manganese Compounds	5.38E-06	5.38E-06	1.60E-05	2.28E-05	7.29E-05	3.19E-05	2.78E-04	2.78E-04	2.88E-07	7.05E-05	1.57E-06	5.95E-07	0.00E+00
Michigan	Cheboygan County	260															

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Chippewa County	26033	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	0.00E+00	1.80E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Chippewa County	26033	R	Chloroform	8.31E-02	8.33E-02	8.36E-02	8.53E-02	9.46E-02	9.70E-02	9.98E-02	1.56E-01	0.00E+00	1.16E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Chippewa County	26033	R	Chromium Compounds (includes Hexavalent)	7.54E-07	1.01E-06	1.22E-06	4.19E-06	6.57E-06	1.28E-05	1.49E-05	1.71E-05	1.01E-10	1.28E-06	4.83E-06	4.68E-07	0.00E+00		
Michigan	Chippewa County	26033	R	Chromium VI	2.60E-07	3.94E-07	4.54E-07	1.70E-06	2.70E-06	5.32E-06	6.20E-06	7.21E-06	1.01E-10	6.38E-07	1.90E-06	1.59E-07	0.00E+00		
Michigan	Chippewa County	26033	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	1,4-Dichlorobenzene	1.10E-04	5.52E-04	8.49E-04	3.28E-03	1.80E-02	1.96E-02	2.61E-02	1.21E-01	0.00E+00	1.80E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	1,3-Dichloropropene	1.95E-04	1.07E-03	1.62E-03	6.32E-03	3.66E-02	3.99E-02	5.28E-02	2.48E-01	0.00E+00	3.66E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	4.41E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Chippewa County	26033	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.14E-02	6.14E-02	6.14E-02	0.00E+00	2.03E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Chippewa County	26033	R	Ethylene Oxide	1.04E-05	5.43E-05	8.42E-05	3.24E-04	1.90E-03	2.00E-03	3.25E-03	1.26E-02	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Formaldehyde	2.68E-01	2.72E-01	2.80E-01	3.05E-01	3.19E-01	3.53E-01	3.94E-01	4.07E-01	9.13E-05	7.59E-03	3.54E-02	2.60E-02	2.50E-01		
Michigan	Chippewa County	26033	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.35E-05	9.37E-05	9.37E-05	9.55E-05	0.00E+00	4.52E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Chippewa County	26033	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	6.04E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Chippewa County	26033	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Lead Compounds	7.76E-06	1.51E-05	2.04E-05	5.29E-05	1.24E-04	1.61E-04	4.42E-04	4.44E-04	0.00E+00	2.31E-05	0.00E+00	1.01E-04	0.00E+00		
Michigan	Chippewa County	26033	R	Manganese Compounds	1.23E-06	2.20E-06	3.58E-06	6.10E-06	7.90E-06	1.17E-05	1.31E-05	2.17E-05	1.60E-12	5.53E-06	1.60E-06	7.74E-07	0.00E+00		
Michigan	Chippewa County	26033	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.56E-03	1.49E-09	7.39E-06	7.45E-06	2.12E-06	1.50E-03		
Michigan	Chippewa County	26033	R	Methylene Chloride	1.50E-01	1.51E-01	1.52E-01	1.63E-01	1.89E-01	2.00E-01	2.62E-01	3.36E-01	0.00E+00	3.90E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Chippewa County	26033	R	Nickel Compounds	7.31E-06	8.50E-06	1.25E-05	2.48E-05	3.69E-05	5.29E-05	7.21E-05	1.22E-04	7.52E-13	2.19E-05	3.73E-06	1.12E-05	0.00E+00		
Michigan	Chippewa County	26033	R	Perchloroethylene	1.40E-01	1.40E-01	1.45E-01	1.66E-01	1.75E-01	1.90E-01	2.71E-01	2.71E-01	0.00E+00	3.46E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Chippewa County	26033	R	Polychlorinated Biphenyls	3.80E-04	3.81E-04	3.84E-04	3.90E-04	4.36E-04	4.62E-04	4.70E-04	6.94E-04	0.00E+00	5.62E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Chippewa County	26033	R	Polycyclic Organic Matter	5.69E-04	2.09E-03	3.07E-03	8.69E-03	1.75E-02	2.36E-02	2.57E-02	8.90E-02	8.58E-07	1.51E-02	1.92E-03	4.72E-04	0.00E+00		
Michigan	Chippewa County	26033	R	7-PAH	3.67E-05	1.41E-04	1.99E-04	3.85E-04	4.97E-04	6.68E-04	7.20E-04	1.77E-03	1.12E-09	4.76E-04	1.32E-05	7.57E-06	0.00E+00		
Michigan	Chippewa County	26033	R	Propylene Dichloride	4.33E-09	1.75E-06	6.52E-06	2.60E-05	4.87E-05	4.19E-05	1.57E-04	2.24E-04	0.00E+00	4.87E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	1,1,2,2-Tetrachloroethane	6.79E-10	1.59E-05	5.78E-05	2.20E-04	4.23E-04	4.17E-04	1.43E-03	1.81E-03	0.00E+00	4.23E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Chippewa County	26033	R	Trichloroethylene	8.11E-02	8.11E-02	8.13E-02	8.30E-02	8.52E-02	8.54E-02	9.57E-02	9.87E-02	0.00E+00	4.23E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Chippewa County	26033	R	Vinyl Chloride	4.78E-06	4.86E-05	1.73E-04	1.57E-03	2.45E-03	5.02E-03	5.17E-03	5.23E-03	0.00E+00	2.45E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Acetaldehyde	3.02E-02	3.08E-02	3.41E-02	4.05E-02	4.14E-02	4.78E-02	4.92E-02	5.85E-02	0.00E+00	1.70E-03	3.37E-02	5.97E-03	0.00E+00		
Michigan	Clare County	26035	R	Acrolein	7.44E-03	7.98E-03	8.35E-03	8.79E-03	8.78E-03	9.31E-03	9.45E-03	9.93E-03	0.00E+00	2.17E-03	5.02E-03	1.59E-03	0.00E+00		
Michigan	Clare County	26035	R	Acrylonitrile	2.97E-04	3.56E-04	3.63E-04	6.71E-04	1.22E-03	1.07E-03	1.46E-03	6.99E-03	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Arsenic Compounds	5.17E-06	6.06E-06	7.48E-06	8.68E-06	8.82E-06	1.03E-05	1.15E-05	1.24E-05	0.00E+00	1.07E-06	6.13E-06	1.62E-06	0.00E+00		
Michigan	Clare County	26035	R	Benzene	6.03E-01	6.07E-01	6.14E-01	6.33E-01	6.58E-01	6.61E-01	6.75E-01	9.30E-01	0.00E+00	1.02E-01	5.60E-02	2.01E-02	4.80E-01		
Michigan	Clare County	26035	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Beryllium Compounds	1.65E-07	2.03E-07	2.52E-07	3.51E-07	4.26E-07	4.27E-07	9.22E-07	1.09E-06	0.00E+00	4.26E-07	0.00E+00	2.41E-12	0.00E+00		
Michigan	Clare County	26035	R	1,3-Butadiene	3.63E-03	3.69E-03	4.41E-03	5.20E-03	5.50E-03	6.68E-03	7.09E-03	8.89E-03	0.00E+00	3.94E-04	3.50E-03	1.61E-03	0.00E+00		
Michigan	Clare County	26035	R	Cadmium Compounds	9.13E-07	1.21E-06	1.32E-06	1.65E-06	1.66E-06	1.87E-06	2.30E-06	2.60E-06	0.00E+00	1.66E-06	0.00E+00	2.38E-12	0.00E+00		
Michigan	Clare County	26035	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.73E-02	4.79E-02	4.87E-02	0.00E+00	3.66E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Clare County	26035	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	5.44E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Clare County	26035	R	Chloroform	8.38E-02	8.38E-02	8.42E-02	8.44E-02	8.47E-02	8.47E-02	8.57E-02	8.72E-02	0.00E+00	1.65E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Clare County	26035	R	Chromium Compounds (includes Hexavalent)	4.17E-06	4.59E-06	6.04E-06	7.06E-06	6.98E-06	8.50E-06	8.63E-06	9.46E-06	0.00E+00	3.09E-06	3.67E-06	2.21E-07	0.00E+00		
Michigan	Clare County	26035	R	Chromium VI	1.64E-06	1.81E-06	2.43E-06	2.84E-06	2.88E-06	3.50E-06	3.59E-06	4.29E-06	0.00E+00	1.33E-06	1.47E-06	7.51E-08	0.00E+00		
Michigan	Clare County	26035	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	1,4-Dichlorobenzene	3.00E-03	3.87E-03	5.48E-03	6.02E-03	7.46E-03	9.03E-03	1.10E-02	1.79E-02	0.00E+00	7.46E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	1,3-Dichloropropene	5.68E-03	7.49E-03	1.05E-02	1.17E-02	1.46E-02	1.79E-02	2.15E-02	3.59E-02	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	5.20E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Clare County	26035	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.11E-02	6.12E-02	6.22E-02	0.00E+00	1.82E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Clare County	26035	R	Ethylene Oxide	2.98E-04	3.85E-04	5.53E-04	6.10E-04	7.92E-04	8.93E-04	1.16E-03	2.30E-03	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Formaldehyde	2.94E-01	2.95E-01	3.00E-01	3.04E-01	3.04E-01	3.07E-01	3.10E-01	3.19E-01	0.00E+00	8.54E-03	3.12E-02	1.44E-02	2.50E-01		
Michigan	Clare County	26035	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.47E-05	0.00E+00	3.38E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Clare County	26035	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.87E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Clare County	26035	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Hydrazine	5.61E-12	1.14E-11	2.23E-11	3.17E-11	4.12E-11	6.06E-11	8.17E-11	8.30E-11	0.00E+00	4.12E-11	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Lead Compounds	2.91E-05	4.10E-05	4.78E-05	6.63E-05	1.03E-04	1.01E-04	1.28E-04	4.73E-04	0.00E+00	1.79E-05	0.00E+00	8.47E-05	0.00E+00		
Michigan	Clare County	26035	R	Manganese Compounds	9.63E-06	2.61E-05	3.16E-05	4.59E-05	4.65E-05	5.91E-05	6.39E-05	9.58E-05	0.00E						

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Clare County	26035	R	Quinoline	2.10E-10	3.66E-10	5.22E-10	7.68E-10	1.00E-09	1.37E-09	1.91E-09	2.62E-09	0.00E+00	1.00E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	1,1,2,2-Tetrachloroethane	1.62E-04	1.96E-04	1.98E-04	3.71E-04	6.84E-04	5.92E-04	8.11E-04	4.02E-03	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clare County	26035	R	Trichloroethylene	8.17E-02	8.21E-02	8.24E-02	8.25E-02	8.39E-02	8.33E-02	8.84E-02	9.36E-02	0.00E+00	2.94E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Clare County	26035	R	Vinyl Chloride	4.44E-04	5.05E-04	5.30E-04	1.02E-03	1.74E-03	1.50E-03	2.03E-03	9.83E-03	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Acetaldehyde	5.95E-02	8.10E-02	1.26E-01	1.98E-01	2.37E-01	3.62E-01	4.27E-01	4.45E-01	5.72E-04	2.63E-03	2.02E-01	3.16E-02	0.00E+00		
Michigan	Clinton County	26037	U	Acrolein	1.04E-02	1.26E-02	1.68E-02	2.45E-02	2.77E-02	3.99E-02	4.75E-02	4.84E-02	3.33E-05	2.11E-03	2.10E-02	4.61E-03	0.00E+00		
Michigan	Clinton County	26037	U	Acrylonitrile	1.90E-04	2.15E-04	3.56E-04	5.87E-04	6.93E-04	7.61E-04	1.78E-03	2.04E-03	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Arsenic Compounds	3.82E-05	4.80E-05	6.49E-05	9.90E-05	1.66E-04	2.15E-04	3.85E-04	5.46E-04	1.27E-04	8.17E-06	2.25E-05	7.67E-06	0.00E+00		
Michigan	Clinton County	26037	U	Benzene	5.97E-01	6.24E-01	6.78E-01	8.91E-01	8.63E-01	1.05E+00	1.15E+00	1.20E+00	2.60E-04	9.18E-02	2.46E-01	4.50E-02	4.80E-01		
Michigan	Clinton County	26037	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Beryllium Compounds	5.20E-07	6.78E-07	8.20E-07	1.33E-06	1.33E-06	1.73E-06	2.22E-06	2.70E-06	7.71E-08	1.04E-06	0.00E+00	2.10E-07	0.00E+00		
Michigan	Clinton County	26037	U	1,3-Butadiene	2.82E-03	3.72E-03	5.87E-03	2.18E-02	2.06E-02	3.43E-02	4.20E-02	4.59E-02	0.00E+00	7.36E-05	1.58E-02	4.76E-03	0.00E+00		
Michigan	Clinton County	26037	U	Cadmium Compounds	8.53E-06	1.02E-05	1.30E-05	2.42E-05	3.58E-05	5.29E-05	8.01E-05	1.11E-04	1.11E-05	2.45E-05	0.00E+00	2.09E-07	0.00E+00		
Michigan	Clinton County	26037	U	Carbon Disulfide	4.72E-02	4.72E-02	4.73E-02	4.74E-02	4.78E-02	4.75E-02	5.10E-02	5.10E-02	1.62E-05	7.97E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Clinton County	26037	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	5.07E-09	1.90E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Clinton County	26037	U	Chloroform	8.51E-02	8.56E-02	8.61E-02	8.90E-02	8.99E-02	9.34E-02	9.57E-02	9.71E-02	7.37E-06	6.94E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Clinton County	26037	U	Chromium Compounds (includes Hexavalent)	1.04E-04	1.26E-04	1.59E-04	2.79E-04	4.58E-04	5.79E-04	1.09E-03	1.64E-03	4.16E-04	2.56E-05	1.57E-05	6.51E-07	0.00E+00		
Michigan	Clinton County	26037	U	Chromium VI	2.30E-05	2.79E-05	3.39E-05	5.38E-05	8.80E-05	1.10E-04	2.01E-04	2.99E-04	7.52E-05	6.30E-06	6.25E-06	2.21E-07	0.00E+00		
Michigan	Clinton County	26037	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	1,4-Dichlorobenzene	7.36E-03	8.88E-03	1.06E-02	1.90E-02	2.24E-02	3.55E-02	4.48E-02	4.36E-02	0.00E+00	2.24E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	1,3-Dichloropropene	1.39E-02	1.69E-02	2.04E-02	3.73E-02	4.44E-02	7.09E-02	8.78E-02	9.00E-02	0.00E+00	4.44E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.40E-07	5.93E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Clinton County	26037	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	4.67E-06	1.02E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Clinton County	26037	U	Ethylene Oxide	7.95E-04	9.48E-04	1.13E-03	2.05E-03	2.51E-03	4.08E-03	4.54E-03	5.52E-03	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Formaldehyde	3.15E-01	3.32E-01	3.70E-01	4.68E-01	4.67E-01	5.81E-01	6.28E-01	6.32E-01	1.34E-04	4.30E-03	1.51E-01	6.21E-02	2.50E-01		
Michigan	Clinton County	26037	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.33E-05	9.35E-05	9.38E-05	9.46E-05	9.47E-05	9.52E-05	0.00E+00	7.79E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Clinton County	26037	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.02E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Clinton County	26037	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Hydrazine	4.80E-10	5.65E-10	7.97E-10	2.80E-09	3.76E-09	5.34E-09	7.60E-09	1.50E-08	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Lead Compounds	2.36E-04	2.86E-04	3.40E-04	6.56E-04	2.10E-03	1.46E-03	6.69E-03	1.76E-02	6.07E-05	9.33E-05	0.00E+00	1.94E-03	0.00E+00		
Michigan	Clinton County	26037	U	Manganese Compounds	1.87E-05	2.21E-05	3.21E-05	4.94E-05	7.01E-05	1.03E-04	1.61E-04	1.93E-04	4.07E-05	2.37E-05	4.96E-06	7.18E-07	0.00E+00		
Michigan	Clinton County	26037	U	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	1.57E-03	1.58E-03	1.59E-03	8.28E-06	9.58E-06	2.49E-05	6.52E-06	1.50E-03		
Michigan	Clinton County	26037	U	Methylene Chloride	1.67E-01	1.71E-01	1.75E-01	2.04E-01	2.18E-01	2.41E-01	2.88E-01	3.33E-01	3.31E-05	6.80E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Clinton County	26037	U	Nickel Compounds	3.96E-05	4.03E-05	4.71E-05	7.95E-05	9.87E-05	1.25E-04	2.12E-04	2.20E-04	3.95E-05	4.62E-05	1.18E-05	1.16E-06	0.00E+00		
Michigan	Clinton County	26037	U	Perchloroethylene	1.50E-01	1.52E-01	1.54E-01	1.69E-01	1.77E-01	1.92E-01	2.19E-01	2.56E-01	4.91E-06	3.72E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Clinton County	26037	U	Polychlorinated Biphenyls	4.01E-04	4.05E-04	4.08E-04	4.30E-04	4.72E-04	5.75E-04	5.92E-04	6.61E-04	0.00E+00	9.19E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Clinton County	26037	U	Polycyclic Organic Matter	1.19E-02	1.44E-02	1.82E-02	2.87E-02	3.20E-02	4.73E-02	5.55E-02	5.98E-02	2.99E-06	2.34E-02	6.03E-03	2.54E-03	0.00E+00		
Michigan	Clinton County	26037	U	7-PAH	4.88E-04	5.16E-04	5.55E-04	8.98E-04	8.98E-04	1.34E-03	1.64E-03	1.74E-03	3.41E-08	8.38E-04	4.31E-05	1.71E-05	0.00E+00		
Michigan	Clinton County	26037	U	Propylene Dichloride	1.07E-05	1.20E-05	2.06E-05	3.34E-05	3.84E-05	4.21E-05	1.05E-04	1.22E-04	9.94E-08	3.83E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Quinoline	7.27E-09	7.98E-09	1.13E-08	2.15E-08	2.39E-08	3.45E-08	4.39E-08	7.17E-08	0.00E+00	2.39E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	1,1,2,2-Tetrachloroethane	9.47E-05	1.05E-04	1.84E-04	2.89E-04	3.34E-04	3.26E-04	9.53E-04	1.11E-03	8.41E-15	3.34E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Clinton County	26037	U	Trichloroethylene	9.24E-02	9.58E-02	9.97E-02	1.03E-01	2.71E-01	1.17E-01	4.23E-01	2.73E+00	1.85E-01	5.54E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Clinton County	26037	U	Vinyl Chloride	3.53E-04	4.51E-04	6.72E-04	9.91E-04	1.15E-03	1.19E-03	2.51E-03	2.90E-03	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Acetaldehyde	4.27E-02	4.27E-02	6.25E-02	7.28E-02	6.77E-02	7.30E-02	8.75E-02	8.75E-02	4.08E-03	2.03E-03	5.61E-02	5.50E-03	0.00E+00		
Michigan	Crawford County	26039	R	Acrolein	9.43E-03	9.43E-03	1.12E-02	1.16E-02	1.18E-02	1.18E-02	1.51E-02	1.51E-02	9.07E-04	2.63E-03	6.24E-03	2.04E-03	0.00E+00		
Michigan	Crawford County	26039	R	Acrylonitrile	2.93E-04	2.93E-04	4.51E-04	4.70E-04	8.64E-04	5.27E-04	2.58E-03	2.58E-03	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Arsenic Compounds	5.84E-06	5.84E-06	9.61E-06	1.13E-05	1.13E-05	1.29E-05	1.67E-05	1.67E-05	1.12E-07	4.98E-07	9.72E-06	9.55E-07	0.00E+00		
Michigan	Crawford County	26039	R	Benzene	5.70E-01	5.70E-01	6.08E-01	6.22E-01	6.33E-01	6.66E-01	6.99E-01	6.99E-01	2.12E-04	4.86E-02	8.09E-02	2.35E-02	4.80E-01		
Michigan	Crawford County	26039	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Beryllium Compounds	1.47E-07	1.47E-07	1.49E-07	1.79E-07	2.20E-07	2.55E-07	3.72E-07	3.72E-07	1.21E-10	2.20E-07	0.00E+00	4.57E-14	0.00E+00		
Michigan	Crawford County	26039	R	1,3-Butadiene	3.72E-03	3.72E-03	7.08E-03	8.46E-03	8.71E-03	1.06E-02	1.37E-02	1.37E-02	0.00E+00	6.92E-04	5.94E-03	2.08E-03	0.00E+00		
Michigan	Crawford County	26039	R	Cadmium Compounds	4.86E-07	4.86E-07	9.56E-07	1.10E-06	1.05E-06	1.23E-06	1.47E-06	1.47E-06	4.00E-08	1.01E-06	0.00E+00	6.35E-13	0.00E+00		
Michigan	Crawford County	26039	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.75E-02	4.76E-02	4.76E-02	0.00E+00	3.04E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Crawford County	26039	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	3.00E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Crawford County	26039	R	Chloroform	8.38E-02	8.38E-02	8.40E-02	8.40E-02	8.45E-02	8.49E-02	8.57E-02	8.57E-02	0.00E+00	1.47E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Crawford County	26039	R	Chromium Compounds (includes Hexavalent)	3.95E-06	3.95E-06	7.77E-06	7.95E-06	7.94E-06	8.87E-06	1.12E-05	1.12E-05	2.24E-07	1.83E-06	5.64E-06	2.5			

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Crawford County	26039	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.34E-05	9.34E-05	0.00E+00	1.98E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Crawford County	26039	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.25E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Crawford County	26039	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Hydrazine	1.74E-09	1.74E-09	2.41E-09	2.73E-09	1.06E-08	1.99E-08	2.63E-08	2.63E-08	0.00E+00	1.06E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Lead Compounds	2.93E-05	2.93E-05	2.97E-05	5.21E-05	1.06E-04	1.34E-04	2.83E-04	2.83E-04	5.98E-07	3.71E-06	0.00E+00	1.01E-04	0.00E+00		
Michigan	Crawford County	26039	R	Manganese Compounds	2.39E-05	2.39E-05	2.68E-05	3.08E-05	3.31E-05	3.60E-05	4.82E-05	4.82E-05	1.71E-05	1.41E-05	1.80E-06	1.33E-07	0.00E+00		
Michigan	Crawford County	26039	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.52E-03	1.02E-08	2.93E-06	1.15E-05	6.61E-07	1.50E-03		
Michigan	Crawford County	26039	R	Methylene Chloride	1.56E-01	1.56E-01	1.56E-01	1.58E-01	1.61E-01	1.68E-01	1.70E-01	1.70E-01	3.13E-05	1.14E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Crawford County	26039	R	Nickel Compounds	5.86E-06	5.86E-06	1.81E-05	2.76E-05	2.42E-05	3.28E-05	3.68E-05	3.68E-05	5.02E-08	1.97E-05	4.26E-06	2.39E-07	0.00E+00		
Michigan	Crawford County	26039	R	Perchloroethylene	1.43E-01	1.43E-01	1.43E-01	1.46E-01	1.49E-01	1.53E-01	1.57E-01	1.57E-01	0.00E+00	8.54E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Crawford County	26039	R	Polychlorinated Biphenyls	3.89E-04	3.89E-04	3.90E-04	3.91E-04	4.05E-04	4.20E-04	4.35E-04	4.35E-04	0.00E+00	2.49E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Crawford County	26039	R	Polycyclic Organic Matter	7.59E-03	7.59E-03	7.77E-03	1.10E-02	1.13E-02	1.43E-02	1.57E-02	1.57E-02	1.33E-08	8.98E-03	2.10E-03	1.99E-04	0.00E+00		
Michigan	Crawford County	26039	R	7-PAH	3.72E-04	3.72E-04	4.09E-04	5.47E-04	5.67E-04	7.24E-04	7.82E-04	7.82E-04	1.25E-10	5.42E-04	1.68E-05	7.66E-06	0.00E+00		
Michigan	Crawford County	26039	R	Propylene Dichloride	1.78E-05	1.78E-05	2.73E-05	2.85E-05	5.24E-05	3.20E-05	1.56E-04	1.56E-04	0.00E+00	5.24E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Quinoline	1.13E-08	1.13E-08	1.36E-08	1.75E-08	4.03E-08	7.09E-08	8.84E-08	8.84E-08	0.00E+00	4.03E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	1,1,2,2-Tetrachloroethane	1.75E-04	1.75E-04	2.62E-04	2.91E-04	5.03E-04	3.62E-04	1.43E-03	1.43E-03	0.00E+00	5.03E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Crawford County	26039	R	Trichloroethylene	8.16E-02	8.16E-02	8.17E-02	8.19E-02	8.26E-02	8.30E-02	8.47E-02	8.47E-02	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Crawford County	26039	R	Vinyl Chloride	4.75E-04	4.75E-04	6.80E-04	9.44E-04	1.35E-03	1.01E-03	3.67E-03	3.67E-03	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Acetaldehyde	2.39E-02	2.67E-02	4.98E-02	1.24E-01	1.83E-01	3.05E-01	4.02E-01	4.80E-01	2.75E-02	1.23E-03	4.76E-02	1.06E-01	0.00E+00		
Michigan	Delta County	26041	R	Acrolein	4.66E-03	5.04E-03	5.71E-03	1.18E-02	1.49E-02	2.27E-02	2.67E-02	3.47E-02	7.08E-04	3.17E-03	6.62E-03	4.39E-03	0.00E+00		
Michigan	Delta County	26041	R	Acrylonitrile	3.15E-05	7.87E-05	9.02E-05	1.55E-04	1.81E-04	2.66E-04	2.77E-04	4.02E-04	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Arsenic Compounds	6.17E-06	6.36E-06	8.24E-06	1.97E-05	2.97E-05	4.86E-05	5.68E-05	8.19E-05	5.12E-06	4.20E-06	1.16E-05	8.79E-06	0.00E+00		
Michigan	Delta County	26041	R	Benzene	5.24E-01	5.32E-01	5.47E-01	6.52E-01	7.79E-01	9.67E-01	1.20E+00	1.37E+00	4.62E-04	1.97E-02	1.40E-01	6.09E-02	4.80E-01		
Michigan	Delta County	26041	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Beryllium Compounds	3.31E-07	3.38E-07	4.70E-07	1.03E-06	1.67E-06	2.15E-06	4.20E-06	5.12E-06	2.66E-07	1.30E-06	0.00E+00	1.06E-07	0.00E+00		
Michigan	Delta County	26041	R	1,3-Butadiene	1.72E-03	1.94E-03	2.16E-03	8.27E-03	1.89E-02	3.01E-02	4.53E-02	7.33E-02	0.00E+00	3.64E-04	1.44E-02	4.15E-03	0.00E+00		
Michigan	Delta County	26041	R	Cadmium Compounds	1.10E-06	2.02E-06	2.69E-06	5.10E-06	5.57E-06	8.05E-06	1.07E-05	1.12E-05	1.44E-06	2.64E-06	0.00E+00	1.49E-06	0.00E+00		
Michigan	Delta County	26041	R	Carbon Disulfide	4.71E-02	4.72E-02	4.77E-02	4.89E-02	5.16E-02	5.62E-02	5.89E-02	5.94E-02	4.23E-03	4.17E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Delta County	26041	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.83E-01	8.86E-01	8.92E-01	8.96E-01	8.96E-01	6.06E-03	1.32E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Delta County	26041	R	Chloroform	8.40E-02	8.60E-02	8.82E-02	9.75E-02	1.16E-01	1.48E-01	1.65E-01	1.72E-01	3.12E-02	2.16E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Delta County	26041	R	Chromium Compounds (includes Hexavalent)	4.99E-06	8.54E-06	1.03E-05	2.42E-05	2.82E-05	4.11E-05	4.83E-05	6.67E-05	1.01E-05	4.65E-06	8.15E-06	5.34E-06	0.00E+00		
Michigan	Delta County	26041	R	Chromium VI	1.79E-06	3.08E-06	3.40E-06	7.77E-06	9.87E-06	1.49E-05	1.76E-05	2.44E-05	2.46E-06	2.40E-06	3.19E-06	1.82E-06	0.00E+00		
Michigan	Delta County	26041	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	1,4-Dichlorobenzene	9.32E-04	1.10E-03	1.76E-03	9.57E-03	1.99E-02	3.15E-02	4.09E-02	8.52E-02	0.00E+00	1.99E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	1,3-Dichloropropene	1.74E-03	2.10E-03	3.35E-03	1.93E-02	4.05E-02	6.42E-02	8.33E-02	1.74E-01	0.00E+00	4.05E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.09E-09	8.17E-08	0.00E+00	0.00E+00	7.70E-03		
Michigan	Delta County	26041	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.13E-02	6.16E-02	6.22E-02	6.25E-02	6.25E-02	5.40E-04	5.66E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Delta County	26041	R	Ethylene Oxide	9.48E-05	1.08E-04	1.79E-04	9.66E-04	2.09E-03	3.32E-03	4.47E-03	8.76E-03	0.00E+00	2.09E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Formaldehyde	2.77E-01	2.81E-01	2.98E-01	3.70E-01	4.55E-01	5.79E-01	7.49E-01	8.09E-01	8.29E-03	7.94E-03	6.19E-02	1.27E-01	2.50E-01		
Michigan	Delta County	26041	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.33E-05	9.34E-05	9.36E-05	9.42E-05	9.45E-05	0.00E+00	4.23E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Delta County	26041	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	0.00E+00	6.36E-08	0.00E+00	1.80E-03		
Michigan	Delta County	26041	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Hydrazine	0.00E+00	4.26E-16	3.23E-12	5.86E-12	5.89E-12	7.20E-12	7.39E-12	1.97E-11	0.00E+00	5.89E-12	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Lead Compounds	1.30E-04	1.43E-04	2.60E-04	3.58E-04	1.44E-03	1.25E-03	1.65E-03	1.07E-02	8.62E-05	1.58E-04	0.00E+00	1.19E-03	0.00E+00		
Michigan	Delta County	26041	R	Manganese Compounds	4.07E-05	5.22E-05	8.74E-05	1.76E-04	1.89E-04	3.03E-04	3.25E-04	3.27E-04	1.09E-05	1.62E-04	2.66E-06	1.28E-05	0.00E+00		
Michigan	Delta County	26041	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.53E-03	1.56E-03	1.57E-03	1.59E-03	1.12E-06	5.60E-06	1.25E-05	1.14E-05	1.50E-03		
Michigan	Delta County	26041	R	Methylene Chloride	1.52E-01	1.52E-01	1.54E-01	1.69E-01	2.01E-01	2.29E-01	3.06E-01	3.47E-01	5.66E-04	5.04E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Delta County	26041	R	Nickel Compounds	2.43E-05	2.84E-05	5.07E-05	1.57E-04	3.79E-04	7.13E-04	7.72E-04	1.37E-03	4.23E-06	6.25E-05	6.15E-06	3.06E-04	0.00E+00		
Michigan	Delta County	26041	R	Perchloroethylene	1.43E-01	1.43E-01	1.52E-01	1.78E-01	1.98E-01	2.39E-01	2.50E-01	3.07E-01	1.17E-03	5.64E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Delta County	26041	R	Polychlorinated Biphenyls	3.83E-04	3.84E-04	3.84E-04	4.11E-04	4.30E-04	4.52E-04	5.28E-04	5.62E-04	0.00E+00	5.02E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Delta County	26041	R	Polycyclic Organic Matter	2.69E-03	3.48E-03	5.11E-03	1.67E-02	2.73E-02	4.73E-02	5.79E-02	8.69E-02	4.08E-05	2.15E-02	3.19E-03	2.50E-03	0.00E+00		
Michigan	Delta County	26041	R	7-PAH	1.56E-04	1.57E-04	3.11E-04	6.34E-04	7.92E-04	1.40E-03	1.59E-03	1.60E-03	2.82E-09	7.14E-04	2.22E-05	5.63E-05	0.00E+00		
Michigan	Delta County	26041	R	Propylene Dichloride	1.89E-06	4.72E-06	5.45E-06	9.33E-06	9.88E-06	1.29E-05	1.49E-05	2.32E-05	0.00E+00	9.88E-06	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Quinoline	0.00E+00	1.14E-14	1.14E-10	1.60E-10	1.55E-10	1.96E-10	2.01E-10	3.98E-10	0.00E+00	1.55E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	1,1,2,2-Tetrachloroethane	1.71E-05	4.29E-05	4.98E-05	7.07E-05	8.10E-05	9.43E-05	1.35E-04	2.02E-04	0.00E+00	8.10E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Delta County	26041	R	Trichloroethylene	8.13E-02	8.15E-02	8.17E-02	8.41E-02	8.84E-02	9.29E-02	1.06E-01	1.07E-01	1.16E-03	6.25E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan																			

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution To Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Dickinson County	26043	U	1,3-Butadiene	2.05E-03	2.05E-03	2.67E-03	2.18E-02	2.46E-02	2.71E-02	8.03E-02	8.03E-02	0.00E+00	9.18E-04	1.80E-02	5.62E-03	0.00E+00		
Michigan	Dickinson County	26043	U	Cadmium Compounds	5.34E-06	5.34E-06	1.31E-05	6.85E-05	2.77E-04	2.16E-04	1.53E-03	1.53E-03	1.50E-07	2.77E-04	0.00E+00	2.67E-11	0.00E+00		
Michigan	Dickinson County	26043	U	Carbon Disulfide	4.74E-02	4.74E-02	4.78E-02	4.88E-02	4.88E-02	4.97E-02	5.07E-02	5.07E-02	1.30E-03	5.37E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Dickinson County	26043	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.82E-01	8.82E-01	8.83E-01	8.84E-01	8.84E-01	1.87E-03	1.47E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Dickinson County	26043	U	Chloroform	8.56E-02	8.56E-02	8.89E-02	9.93E-02	9.78E-02	1.04E-01	1.09E-01	1.09E-01	9.60E-03	5.16E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Dickinson County	26043	U	Chromium Compounds (includes Hexavalent)	3.19E-05	3.19E-05	5.54E-05	1.02E-04	2.92E-04	2.25E-04	1.45E-03	1.45E-03	1.70E-06	2.79E-04	1.02E-05	6.45E-07	0.00E+00		
Michigan	Dickinson County	26043	U	Chromium VI	1.72E-05	1.72E-05	1.82E-05	2.81E-05	3.70E-05	3.23E-05	1.07E-04	1.07E-04	1.07E-06	3.17E-05	3.93E-06	2.19E-07	0.00E+00		
Michigan	Dickinson County	26043	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	1,4-Dichlorobenzene	9.67E-04	9.67E-04	1.97E-03	2.32E-02	2.36E-02	2.54E-02	7.68E-02	7.68E-02	0.00E+00	2.36E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	1,3-Dichloropropene	1.85E-03	1.85E-03	3.92E-03	4.78E-02	4.90E-02	5.27E-02	1.58E-01	1.58E-01	0.00E+00	4.90E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.02E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Dickinson County	26043	U	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	1.66E-04	1.80E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Dickinson County	26043	U	Ethylene Oxide	1.03E-04	1.03E-04	2.00E-04	2.36E-03	2.54E-03	2.75E-03	8.46E-03	8.46E-03	0.00E+00	2.54E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	Formaldehyde	2.80E-01	2.80E-01	2.92E-01	3.91E-01	3.97E-01	4.21E-01	6.21E-01	6.21E-01	5.25E-03	1.76E-02	8.36E-02	4.05E-02	2.50E-01		
Michigan	Dickinson County	26043	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.34E-05	9.35E-05	9.37E-05	9.48E-05	9.48E-05	0.00E+00	5.32E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Dickinson County	26043	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.38E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Dickinson County	26043	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	Hydrazine	5.21E-11	5.21E-11	1.90E-10	2.03E-08	6.28E-08	5.43E-08	3.24E-07	3.24E-07	0.00E+00	6.28E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Dickinson County	26043	U	Lead Compounds	8.49E-05	8.49E-05	1.50E-04	3.43E-04	7.77E-04	7.44E-04	3.50E-03	3.50E-03	3.02E-06	7.39E-04	0.00E+00	3.50E-05	0.00E+00		
Michigan	Dickinson County	26043	U																

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Eaton County	26045	U	Polycyclic Organic Matter	2.15E-02	2.20E-02	3.15E-02	4.51E-02	4.50E-02	5.57E-02	6.97E-02	7.44E-02	1.68E-05	3.52E-02	8.32E-03	1.44E-03	0.00E+00		
Michigan	Eaton County	26045	U	7-PAH	6.78E-04	7.29E-04	9.21E-04	1.11E-03	1.17E-03	1.46E-03	1.62E-03	1.74E-03	4.76E-08	1.10E-03	5.75E-05	1.22E-05	0.00E+00		
Michigan	Eaton County	26045	U	Propylene Dichloride	2.32E-05	2.40E-05	2.81E-05	3.46E-05	3.77E-05	4.02E-05	6.32E-05	7.14E-05	7.55E-08	3.76E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Eaton County	26045	U	Quinoline	1.68E-08	1.90E-08	2.62E-08	4.26E-08	8.79E-08	7.19E-08	2.88E-07	4.62E-07	0.00E+00	8.79E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Eaton County	26045	U	1,1,2,2-Tetrachloroethane	2.04E-04	2.08E-04	2.39E-04	2.91E-04	3.26E-04	3.48E-04	5.52E-04	6.10E-04	6.39E-15	3.26E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Eaton County	26045	U	Trichloroethylene	8.41E-02	8.54E-02	8.82E-02	9.24E-02	9.40E-02	9.94E-02	1.05E-01	1.07E-01	4.06E-03	8.89E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Eaton County	26045	U	Vinyl Chloride	7.38E-04	7.84E-04	9.95E-04	1.18E-03	1.24E-03	1.60E-03	1.75E-03	1.78E-03	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Acetaldehyde	3.84E-02	3.84E-02	4.60E-02	6.65E-02	7.01E-02	8.71E-02	1.24E-01	1.24E-01	6.36E-04	1.66E-03	3.92E-02	2.86E-02	0.00E+00		
Michigan	Emmet County	26047	R	Acrolein	7.14E-03	7.14E-03	1.08E-02	1.19E-02	1.34E-02	1.64E-02	2.04E-02	2.04E-02	1.02E-04	2.82E-03	6.33E-03	4.16E-03	0.00E+00		
Michigan	Emmet County	26047	R	Acrylonitrile	8.00E-05	8.00E-05	2.87E-04	2.93E-04	3.58E-04	3.75E-04	9.53E-04	9.53E-04	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Arsenic Compounds	4.28E-06	4.28E-06	8.99E-06	1.23E-05	1.52E-05	1.66E-05	3.32E-05	3.32E-05	8.47E-07	4.21E-06	6.82E-06	3.29E-06	0.00E+00		
Michigan	Emmet County	26047	R	Benzene	5.75E-01	5.75E-01	6.29E-01	6.63E-01	7.66E-01	7.65E-01	1.14E+00	1.14E+00	5.59E-05	1.41E-01	7.73E-02	6.81E-02	4.80E-01		
Michigan	Emmet County	26047	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Beryllium Compounds	2.25E-07	2.25E-07	5.55E-07	9.89E-07	1.75E-06	1.95E-06	5.48E-06	5.48E-06	5.13E-08	1.69E-06	0.00E+00	5.01E-09	0.00E+00		
Michigan	Emmet County	26047	R	1,3-Butadiene	2.47E-03	2.47E-03	4.80E-03	6.55E-03	1.11E-02	1.57E-02	2.79E-02	2.79E-02	0.00E+00	4.17E-04	5.33E-03	5.35E-03	0.00E+00		
Michigan	Emmet County	26047	R	Cadmium Compounds	5.19E-07	5.19E-07	1.49E-05	1.94E-05	2.02E-05	3.18E-05	3.65E-05	3.65E-05	1.14E-07	2.00E-05	0.00E+00	6.99E-08	0.00E+00		
Michigan	Emmet County	26047	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.74E-02	4.74E-02	4.82E-02	4.82E-02	3.33E-07	3.65E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Emmet County	26047	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	8.62E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Emmet County	26047	R	Chloroform	8.36E-02	8.36E-02	8.51E-02	8.58E-02	8.79E-02	8.82E-02	9.67E-02	9.67E-02	0.00E+00	4.88E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Emmet County	26047	R	Chromium Compounds (includes Hexavalent)	1.16E-05	1.16E-05	2.49E-03	3.56E-03	3.03E-03	3.96E-03	4.14E-03	4.14E-03	3.02E-03	5.70E-06	4.50E-06	9.59E-07	0.00E+00		
Michigan	Emmet County	26047	R	Chromium VI	4.52E-06	4.52E-06	2.01E-04	2.92E-04	2.46E-04	3.25E-04	3.33E-04	3.33E-04	2.42E-04	2.70E-06	1.75E-06	3.26E-07	0.00E+00		
Michigan	Emmet County	26047	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	1,4-Dichlorobenzene	1.45E-03	1.45E-03	5.15E-03	6.87E-03	1.17E-02	1.23E-02	3.21E-02	3.21E-02	0.00E+00	1.17E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	1,3-Dichloropropene	2.63E-03	2.63E-03	9.82E-03	1.35E-02	2.32E-02	2.44E-02	6.49E-02	6.49E-02	0.00E+00	2.32E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.84E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Emmet County	26047	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	1.02E-07	4.16E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Emmet County	26047	R	Ethylene Oxide	1.78E-04	1.78E-04	5.75E-04	8.34E-04	1.84E-03	1.56E-03	7.00E-03	7.00E-03	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Formaldehyde	2.92E-01	2.92E-01	3.23E-01	3.35E-01	3.47E-01	3.92E-01	4.19E-01	4.19E-01	2.76E-03	8.50E-03	3.99E-02	4.61E-02	2.50E-01		
Michigan	Emmet County	26047	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.35E-05	9.36E-05	9.45E-05	9.45E-05	0.00E+00	4.58E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Emmet County	26047	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	5.14E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Emmet County	26047	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-12	5.23E-12	8.62E-12	1.43E-11	0.00E+00	5.23E-12	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Lead Compounds	1.28E-04	1.28E-04	1.93E-04	2.89E-04	6.08E-04	3.44E-04	3.00E-03	3.00E-03	8.95E-07	3.05E-05	0.00E+00	5.76E-04	0.00E+00		
Michigan	Emmet County	26047	R	Manganese Compounds	2.97E-05	2.97E-05	1.18E-02	1.70E-02	1.46E-02	1.92E-02	1.97E-02	1.97E-02	1.41E-02	5.09E-04	1.37E-06	1.02E-06	0.00E+00		
Michigan	Emmet County	26047	R	Mercury Compounds	1.50E-03	1.50E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	1.02E-08	1.42E-05	7.55E-06	2.51E-06	1.50E-03		
Michigan	Emmet County	26047	R	Methylene Chloride	1.53E-01	1.53E-01	1.60E-01	1.64E-01	1.82E-01	1.84E-01	2.52E-01	2.52E-01	9.84E-06	3.17E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Emmet County	26047	R	Nickel Compounds	2.96E-05	2.96E-05	5.49E-05	6.89E-05	7.63E-05	7.94E-05	1.42E-04	1.42E-04	5.79E-07	5.70E-05	3.32E-06	1.54E-05	0.00E+00		
Michigan	Emmet County	26047	R	Perchloroethylene	1.43E-01	1.43E-01	1.46E-01	1.52E-01	1.55E-01	1.60E-01	1.78E-01	1.78E-01	9.85E-08	1.54E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Emmet County	26047	R	Polychlorinated Biphenyls	3.85E-04	3.85E-04	3.95E-04	4.02E-04	4.32E-04	4.51E-04	5.53E-04	5.53E-04	0.00E+00	5.25E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Emmet County	26047	R	Polycyclic Organic Matter	4.29E-03	4.29E-03	1.29E-02	1.42E-02	2.29E-02	2.31E-02	5.54E-02	5.54E-02	6.45E-08	2.03E-02	1.75E-03	8.23E-04	0.00E+00		
Michigan	Emmet County	26047	R	7-PAH	1.88E-04	1.88E-04	6.03E-04	6.47E-04	8.43E-04	8.44E-04	1.84E-03	1.84E-03	1.06E-09	8.12E-04	1.26E-05	1.79E-05	0.00E+00		
Michigan	Emmet County	26047	R	Propylene Dichloride	4.73E-06	4.73E-06	1.65E-05	1.74E-05	2.08E-05	1.96E-05	5.75E-05	5.75E-05	0.00E+00	2.08E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	1.72E-10	1.19E-10	2.02E-10	2.84E-10	2.84E-10	0.00E+00	1.19E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	1,1,2,2-Tetrachloroethane	4.23E-05	4.23E-05	1.43E-04	1.50E-04	1.83E-04	1.56E-04	5.24E-04	5.24E-04	0.00E+00	1.83E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Emmet County	26047	R	Trichloroethylene	8.14E-02	8.14E-02	8.23E-02	8.31E-02	8.60E-02	8.61E-02	9.87E-02	9.87E-02	0.00E+00	5.04E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Emmet County	26047	R	Vinyl Chloride	1.08E-04	1.08E-04	3.55E-04	3.72E-04	4.56E-04	3.89E-04	1.30E-03	1.30E-03	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Acetaldehyde	2.41E-01	2.84E-01	3.73E-01	4.59E-01	5.48E-01	6.64E-01	9.15E-01	1.12E+00	2.01E-03	6.42E-03	5.12E-01	2.76E-02	0.00E+00		
Michigan	Genesee County	26049	U	Acrolein	3.54E-02	4.06E-02	5.32E-02	6.94E-02	6.75E-02	8.23E-02	9.05E-02	9.58E-02	1.14E-06	5.48E-03	5.56E-02	6.40E-03	0.00E+00		
Michigan	Genesee County	26049	U	Acrylonitrile	9.68E-04	1.12E-03	1.57E-03	2.36E-03	3.89E-03	3.87E-03	5.23E-03	9.27E-03	2.45E-03	1.44E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Arsenic Compounds	4.17E-05	6.15E-05	1.09E-04	1.57E-04	1.91E-04	2.01E-04	2.80E-04	3.41E-04	1.06E-04	2.34E-05	5.30E-05	8.32E-06	0.00E+00		
Michigan	Genesee County	26049	U	Benzene	9.33E-01	9.82E-01	1.12E+00	1.36E+00	1.43E+00	1.60E+00	1.99E+00	2.28E+00	7.83E-03	1.61E-01	7.12E-01	7.36E-02	4.80E-01		
Michigan	Genesee County	26049	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Beryllium Compounds	3.11E-06	3.44E-06	3.88E-06	5.05E-06	6.78E-06	7.90E-06	1.05E-05	1.05E-05	2.28E-07	5.95E-06	0.00E+00	5.82E-07	0.00E+00		
Michigan	Genesee County	26049	U	1,3-Butadiene	1.19E-02	1.47E-02	2.35E-02	4.12E-02	5.55E-02	7.44E-02	1.15E-01	1.51E-01	1.61E-09	1.16E-04	4.86E-02	6.70E-03	0.00E+00		
Michigan	Genesee County	26049	U	Cadmium Compounds	8.01E-06	9.46E-06	1.60E-05	2.83E-05	3.07E-05	3.74E-05	5.00E-05	6.94E-05	9.00E-06	2.11E-05	0.00E+00	5.83E-07	0.00E+00		
Michigan	Genesee County	26049	U	Carbon Disulfide	4.75E-02	4.75E-02	4.77E-02	4.82E-02	4.95E-02	5.05E-02	5.28E-02	5.28E-02	3.23E-04	2.19E-03	0				

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Genesee County	26049	U	Ethylene Dichloride	6.11E-02	6.12E-02	6.12E-02	6.13E-02	6.15E-02	6.15E-02	6.17E-02	6.21E-02	2.97E-04	1.86E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Genesee County	26049	U	Ethylene Oxide	2.25E-03	2.80E-03	3.81E-03	5.73E-03	6.47E-03	7.85E-03	1.11E-02	1.29E-02	0.00E+00	6.47E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Formaldehyde	4.43E-01	4.76E-01	5.50E-01	6.31E-01	6.94E-01	7.94E-01	9.91E-01	1.13E+00	4.62E-03	8.73E-03	3.70E-01	5.99E-02	2.50E-01		
Michigan	Genesee County	26049	U	Hexachlorobenzene	9.33E-05	9.34E-05	9.35E-05	9.36E-05	9.36E-05	9.37E-05	9.39E-05	9.40E-05	0.00E+00	6.24E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Genesee County	26049	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.55E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Genesee County	26049	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Hydrazine	1.28E-09	1.62E-09	3.50E-09	1.12E-08	3.48E-08	2.39E-08	5.91E-08	9.64E-08	0.00E+00	3.48E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Lead Compounds	3.53E-04	3.92E-04	5.54E-04	7.80E-04	1.20E-03	1.15E-03	1.76E-03	2.45E-03	4.53E-05	1.58E-04	0.00E+00	9.98E-04	0.00E+00		
Michigan	Genesee County	26049	U	Manganese Compounds	1.10E-04	1.24E-04	1.54E-04	4.97E-04	4.07E-04	5.48E-04	6.48E-04	7.76E-04	1.71E-04	2.21E-04	1.42E-05	9.15E-07	0.00E+00		
Michigan	Genesee County	26049	U	Mercury Compounds	1.54E-03	1.55E-03	1.56E-03	1.58E-03	1.59E-03	1.62E-03	1.65E-03	1.68E-03	1.44E-06	3.30E-05	5.27E-05	7.24E-06	1.50E-03		
Michigan	Genesee County	26049	U	Methylene Chloride	1.99E-01	2.16E-01	2.37E-01	3.12E-01	3.55E-01	3.90E-01	5.12E-01	5.72E-01	8.81E-03	1.96E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Genesee County	26049	U	Nickel Compounds	1.28E-04	1.56E-04	2.51E-04	3.22E-04	4.37E-04	4.32E-04	6.34E-04	7.61E-04	8.54E-05	3.17E-04	3.27E-05	2.11E-06	0.00E+00		
Michigan	Genesee County	26049	U	Perchloroethylene	1.89E-01	2.11E-01	2.36E-01	3.27E-01	3.32E-01	4.06E-01	4.75E-01	5.05E-01	4.48E-03	1.88E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	Genesee County	26049	U	Polychlorinated Biphenyls	4.18E-04	4.26E-04	4.40E-04	4.56E-04	4.56E-04	4.67E-04	4.88E-04	5.02E-04	0.00E+00	7.61E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Genesee County	26049	U	Polycyclic Organic Matter	4.38E-02	4.96E-02	6.01E-02	8.08E-02	8.08E-02	9.51E-02	1.16E-01	1.25E-01	1.68E-03	6.05E-02	1.68E-02	1.83E-03	0.00E+00		
Michigan	Genesee County	26049	U	7-PAH	1.20E-03	1.27E-03	1.37E-03	1.58E-03	1.83E-03	2.12E-03	2.76E-03	3.11E-03	4.52E-07	1.70E-03	1.12E-04	1.52E-05	0.00E+00		
Michigan	Genesee County	26049	U	Propylene Dichloride	5.59E-05	6.59E-05	9.05E-05	1.35E-04	2.26E-04	2.20E-04	3.12E-04	4.88E-04	1.49E-04	7.78E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Quinoline	2.38E-08	3.19E-08	4.54E-08	8.28E-08	1.39E-07	1.28E-07	2.99E-07	0.00E+00	1.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	1,1,2,2-Tetrachloroethane	5.05E-04	5.93E-04	8.11E-04	1.21E-03	2.02E-03	1.94E-03	2.77E-03	4.41E-03	1.36E-03	6.62E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Genesee County	26049	U	Trichloroethylene	8.60E-02	8.69E-02	8.90E-02	9.53E-02	9.92E-02	1.01E-01	1.11E-01	1.29E-01	2.69E-03	1.55E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Genesee County	26049	U	Vinyl Chloride	1.56E-03	1.83E-03	2.28E-03	3.34E-03	5.47E-03	5.38E-03	7.47E-03	1.28E-02	3.35E-03	2.12E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Acetaldehyde	3.54E-02	3.54E-02	4.49E-02	4.74E-02	4.73E-02	5.03E-02	5.88E-02	5.88E-02	2.23E-06	1.36E-03	3.89E-02	7.07E-03	0.00E+00		
Michigan	Gladwin County	26051	R	Acrolein	8.45E-03	8.45E-03	8.80E-03	9.41E-03	9.47E-03	9.62E-03	1.14E-02	1.14E-02	3.51E-07	1.98E-03	5.80E-03	1.67E-03	0.00E+00		
Michigan	Gladwin County	26051	R	Acrylonitrile	3.68E-04	3.68E-04	6.48E-04	1.21E-03	1.89E-03	2.65E-03	4.74E-03	4.74E-03	1.18E-03	7.06E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Arsenic Compounds	6.45E-06	6.45E-06	6.62E-06	8.54E-06	8.92E-06	9.49E-06	1.37E-05	1.37E-05	4.40E-07	9.06E-07	6.00E-06	1.58E-06	0.00E+00		
Michigan	Gladwin County	26051	R	Benzene	5.82E-01	5.82E-01	5.90E-01	6.16E-01	6.33E-01	6.94E-01	6.94E-01	1.28E-04	6.13E-02	5.74E-02	1.84E-02	4.80E-01			
Michigan	Gladwin County	26051	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Beryllium Compounds	2.44E-07	2.44E-07	2.63E-07	3.88E-07	4.03E-07	4.37E-07	6.58E-07	6.58E-07	2.32E-08	3.79E-07	0.00E+00	6.30E-10	0.00E+00		
Michigan	Gladwin County	26051	R	1,3-Butadiene	3.13E-03	3.13E-03	3.46E-03	4.21E-03	4.71E-03	4.99E-03	8.79E-03	8.79E-03	0.00E+00	3.97E-04	2.91E-03	1.40E-03	0.00E+00		
Michigan	Gladwin County	26051	R	Cadmium Compounds	5.67E-07	5.67E-07	8.40E-07	1.34E-06	1.60E-06	1.43E-06	4.79E-06	4.79E-06	5.75E-08	1.54E-06	0.00E+00	1.26E-09	0.00E+00		
Michigan	Gladwin County	26051	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.73E-02	4.74E-02	4.75E-02	4.75E-02	8.95E-05	2.22E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Gladwin County	26051	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	1.67E-04	3.43E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Gladwin County	26051	R	Chloroform	8.39E-02	8.39E-02	8.41E-02	8.46E-02	8.46E-02	8.48E-02	8.56E-02	8.56E-02	1.16E-04	1.45E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Gladwin County	26051	R	Chromium Compounds (includes Hexavalent)	3.68E-06	3.68E-06	3.99E-06	6.15E-06	8.15E-06	6.39E-06	2.82E-05	2.82E-05	2.54E-06	1.78E-06	3.65E-06	1.95E-07	0.00E+00		
Michigan	Gladwin County	26051	R	Chromium VI	1.56E-06	1.56E-06	1.80E-06	2.62E-06	2.81E-06	2.66E-06	6.28E-06	6.28E-06	4.38E-07	1.46E-07	1.46E-06	6.62E-08	0.00E+00		
Michigan	Gladwin County	26051	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	1,4-Dichlorobenzene	3.84E-03	3.84E-03	4.67E-03	6.57E-03	6.35E-03	6.74E-03	1.14E-02	1.14E-02	0.00E+00	6.35E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	1,3-Dichloropropene	7.19E-03	7.19E-03	9.05E-03	1.28E-02	1.23E-02	1.30E-02	2.26E-02	2.26E-02	0.00E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	5.66E-10	3.83E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Gladwin County	26051	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	8.56E-06	8.86E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Gladwin County	26051	R	Ethylene Oxide	4.37E-04	4.37E-04	6.77E-04	8.58E-04	8.69E-04	1.06E-03	1.41E-03	1.41E-03	2.17E-04	6.51E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Formaldehyde	2.96E-01	2.96E-01	3.01E-01	3.06E-01	3.07E-01	3.10E-01	3.27E-01	3.27E-01	5.46E-07	6.96E-03	3.33E-02	1.69E-02	2.50E-01		
Michigan	Gladwin County	26051	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.33E-05	9.34E-05	9.34E-05	0.00E+00	2.31E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Gladwin County	26051	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.75E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Gladwin County	26051	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Hydrazine	6.90E-11	6.90E-11	4.08E-09	4.08E-06	4.77E-06	7.62E-06	1.54E-05	1.54E-05	4.76E-06	1.52E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gladwin County	26051	R	Lead Compounds	5.96E-05	5.96E-05	7.82E-05	1.21E-04	1.80E-04	1.63E-04	6.96E-04	6.96E-04	1.71E-06	2.96E-05	0.00E+00	1.49E-04	0.00E+00		
Michigan	Gladwin County	26051	R	Manganese Compounds	3.84E-06	3.84E-06	6.38E-06	2.98E-05	2.27E-05	3.23E-05	4.16E-05	4.16E-05	1.89E-06	1.95E-05	1.13E-06	1.68E-07	0.00E+00		
Michigan	Gladwin County	26051	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	4.05E-08	2.81E-06	7.10E-06	1.25E-06	1.50E-03		
Michigan	Gladwin County	26051	R	Methylene Chloride	1.60E-01	1.60E-01	1.61E-01	1.68E-01	1.69E-01	1.72E-01	1.84E-01	1.84E-01	8.72E-04	1.80E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Gladwin County	26051	R	Nickel Compounds	9.91E-06	9.91E-06	1.69E-05	3.07E-05	4.47E-05	3.94E-05	1.78E-04	1.78E-04	1.72E-05	2.43E-05	2.75E-06	4.23E-07	0.00E+00		
Michigan	Gladwin County	26051	R	Perchloroethylene	1.44E-01	1.44E-01	1.48E-01	1.53E-01	1.52E-01	1.55E-01	1.60E-01	1.60E-01	1.25E-03	1.03E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Gladwin County	26051	R	Polychlorinated Biphenyls	3.90E-04	3.90E-04	3.96E-04	4.01E-04	4.06E-04	4.15E-04	4.31E-04	4.31E-04	0.00E+00	2.59E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Gladwin County	26051	R	Polycyclic Organic Matter	9.77E-03	9.77E-03	1.17E-02	1.40E-02	1.45E-02	1.60E-02	2.47E-02	2.47E-02	2.00E-06	1.29E-02	1.41E-03	2.16E-04	0.00E+00		
Michigan	Gladwin County	26051	R	7-PAH	4.96E-04	4.96E-04	5.39E-04	6.54E-04	6.93E-04	7.47E-04	1.15E-03	1.15E-03	4.95E-10	6.77E-04	1.07E-05	4.99E-06	0.00E+00		
Michigan	Gladwin County	26051	R	Propylene Dichloride	2.14E-05	2.14E-05	2.77E-05	3.75E-05	4.13E-05	3.87E-05	7.96E-05	7.96E-05	0.00E+00						

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...			
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background	
Michigan	Gogebic County	26053	R	Benzene	5.24E-01	5.24E-01	5.30E-01	5.45E-01	6.26E-01	6.65E-01	1.00E+00	1.00E+00	8.16E-05	6.31E-02	5.89E-02	2.39E-02	4.80E-01	
Michigan	Gogebic County	26053	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Beryllium Compounds	3.35E-08	3.35E-08	6.71E-08	1.78E-07	5.08E-07	6.64E-07	2.21E-06	2.21E-06	0.00E+00	5.07E-07	0.00E+00	1.17E-09	0.00E+00	
Michigan	Gogebic County	26053	R	1,3-Butadiene	2.01E-03	2.01E-03	2.05E-03	3.13E-03	8.24E-03	9.25E-03	3.50E-02	3.50E-02	0.00E+00	7.67E-04	5.81E-03	1.66E-03	0.00E+00	
Michigan	Gogebic County	26053	R	Cadmium Compounds	5.95E-07	5.95E-07	9.59E-07	1.53E-06	3.77E-06	4.02E-06	1.65E-05	1.65E-05	3.17E-08	3.72E-06	0.00E+00	1.63E-08	0.00E+00	
Michigan	Gogebic County	26053	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.72E-02	4.72E-02	4.82E-02	4.82E-02	2.41E-05	2.15E-04	0.00E+00	0.00E+00	4.70E-02	
Michigan	Gogebic County	26053	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	3.22E-05	5.61E-05	0.00E+00	0.00E+00	8.80E-01	
Michigan	Gogebic County	26053	R	Chloroform	8.31E-02	8.31E-02	8.34E-02	8.42E-02	8.52E-02	8.64E-02	9.08E-02	9.08E-02	1.90E-04	2.04E-03	0.00E+00	0.00E+00	8.30E-02	
Michigan	Gogebic County	26053	R	Chromium Compounds (includes Hexavalent)	1.73E-06	1.73E-06	2.68E-06	4.60E-06	1.40E-05	1.49E-05	6.57E-05	6.57E-05	2.39E-07	1.02E-05	3.28E-06	2.83E-07	0.00E+00	
Michigan	Gogebic County	26053	R	Chromium VI	6.51E-07	6.51E-07	1.07E-06	2.01E-06	6.76E-06	7.00E-06	3.32E-05	3.32E-05	1.34E-07	5.27E-06	1.26E-06	9.63E-08	0.00E+00	
Michigan	Gogebic County	26053	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	1,4-Dichlorobenzene	3.05E-04	3.05E-04	7.74E-04	2.09E-03	6.78E-03	9.71E-03	2.88E-02	2.88E-02	0.00E+00	6.78E-03	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	1,3-Dichloropropene	6.82E-04	6.82E-04	1.76E-03	4.51E-03	1.44E-02	2.04E-02	6.15E-02	6.15E-02	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.22E-08	0.00E+00	0.00E+00	7.70E-03	
Michigan	Gogebic County	26053	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	3.22E-06	7.45E-06	0.00E+00	0.00E+00	6.10E-02	
Michigan	Gogebic County	26053	R	Ethylene Oxide	4.02E-05	4.02E-05	9.15E-05	2.46E-04	7.88E-04	1.12E-03	3.34E-03	3.34E-03	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Formaldehyde	2.70E-01	2.70E-01	2.80E-01	2.90E-01	3.06E-01	3.14E-01	4.12E-01	4.12E-01	2.07E-03	2.16E-02	2.66E-02	1.59E-02	2.50E-01	
Michigan	Gogebic County	26053	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.33E-05	9.35E-05	9.39E-05	9.39E-05	0.00E+00	2.58E-07	0.00E+00	0.00E+00	9.30E-05	
Michigan	Gogebic County	26053	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.32E-08	0.00E+00	0.00E+00	1.80E-03	
Michigan	Gogebic County	26053	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Lead Compounds	3.25E-05	3.25E-05	4.85E-05	7.92E-05	1.18E-04	1.60E-04	3.35E-04	3.35E-04	6.75E-07	4.65E-05	0.00E+00	7.06E-05	0.00E+00	
Michigan	Gogebic County	26053	R	Manganese Compounds	1.83E-05	1.83E-05	4.50E-05	1.27E-04	6.06E-04	5.63E-04	3.36E-03	3.36E-03	1.94E-05	5.85E-04	1.06E-06	2.70E-07	0.00E+00	
Michigan	Gogebic County	26053	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.52E-03	1.52E-03	1.58E-03	1.58E-03	8.82E-09	1.06E-05	5.54E-06	7.38E-07	1.50E-03	
Michigan	Gogebic County	26053	R	Methylene Chloride	1.51E-01	1.51E-01	1.52E-01	1.55E-01	1.68E-01	1.71E-01	2.33E-01	2.33E-01	5.80E-06	1.76E-02	0.00E+00	0.00E+00	1.50E-01	
Michigan	Gogebic County	26053	R	Nickel Compounds	1.96E-05	1.96E-05	2.55E-05	3.64E-05	5.47E-05	7.80E-05	1.38E-04	1.38E-04	3.10E-08	4.81E-05	2.61E-06	3.89E-06	0.00E+00	
Michigan	Gogebic County	26053	R	Perchloroethylene	1.40E-01	1.40E-01	1.41E-01	1.42E-01	1.44E-01	1.48E-01	1.53E-01	1.53E-01	7.25E-06	4.43E-03	0.00E+00	0.00E+00	1.40E-01	
Michigan	Gogebic County	26053	R	Polychlorinated Biphenyls	3.82E-04	3.82E-04	3.83E-04	3.90E-04	4.11E-04	4.35E-04	4.88E-04	4.88E-04	0.00E+00	3.05E-05	0.00E+00	0.00E+00	3.80E-04	
Michigan	Gogebic County	26053	R	Polycyclic Organic Matter	1.91E-03	1.91E-03	4.79E-03	6.30E-03	1.49E-02	2.06E-02	5.31E-02	5.31E-02	1.44E-10	1.33E-02	1.35E-03	1.89E-04	0.00E+00	
Michigan	Gogebic County	26053	R	7-PAH	1.23E-04	1.23E-04	3.35E-04	4.08E-04	7.05E-04	1.00E-03	2.02E-03	2.02E-03	1.34E-12	6.88E-04	9.29E-06	7.37E-06	0.00E+00	
Michigan	Gogebic County	26053	R	Propylene Dichloride	2.60E-08	2.60E-08	2.37E-06	3.91E-06	4.04E-06	6.06E-06	7.63E-06	7.63E-06	0.00E+00	4.04E-06	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	1,1,2,2-Tetrachloroethane	3.21E-07	3.21E-07	2.13E-05	3.26E-05	3.28E-05	4.24E-05	6.93E-05	6.93E-05	0.00E+00	3.28E-05	0.00E+00	0.00E+00	0.00E+00	
Michigan	Gogebic County	26053	R	Trichloroethylene	8.11E-02	8.11E-02	8.12E-02	8.15E-02	8.30E-02	8.33E-02	9.08E-02	9.08E-02	2.90E-06	1.98E-03	0.00E+00	0.00E+00	8.10E-02	
Michigan	Gogebic County	26053	R	Vinyl Chloride	8.01E-07	8.01E-07	5.24E-05	8.04E-05	8.08E-05	1.05E-04	1.71E-04	1.71E-04	0.00E+00	8.08E-05	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	Acetaldehyde	6.07E-02	7.26E-02	8.79E-02	1.15E-01	1.35E-01	1.80E-01	2.25E-01	2.41E-01	0.00E+00	2.39E-03	9.82E-02	3.43E-02	0.00E+00	
Michigan	Grand Traverse County	26055	R	Acrolein	1.22E-02	1.29E-02	1.53E-02	1.81E-02	2.14E-02	2.84E-02	3.27E-02	3.64E-02	0.00E+00	3.76E-03	1.26E-02	5.05E-03	0.00E+00	
Michigan	Grand Traverse County	26055	R	Acrylonitrile	2.94E-04	3.43E-04	4.08E-04	4.68E-04	1.52E-03	1.03E-03	3.58E-03	1.20E-02	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	Arsenic Compounds	8.20E-06	9.80E-06	1.49E-05	1.87E-05	2.57E-05	3.86E-05	4.96E-05	5.82E-05	0.00E+00	5.07E-06	1.60E-05	4.69E-06	0.00E+00	
Michigan	Grand Traverse County	26055	R	Benzene	6.54E-01	6.76E-01	7.68E-01	8.19E-01	9.70E-01	1.21E+00	1.44E+00	1.53E+00	0.00E+00	2.44E-01	1.76E-01	6.91E-02	4.80E-01	
Michigan	Grand Traverse County	26055	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	Beryllium Compounds	4.27E-07	5.51E-07	6.58E-07	1.02E-06	2.03E-06	3.28E-06	4.65E-06	7.22E-06	0.00E+00	2.03E-06	0.00E+00	1.68E-09	0.00E+00	
Michigan	Grand Traverse County	26055	R	1,3-Butadiene	4.07E-03	6.30E-03	1.04E-02	1.63E-02	2.11E-02	3.17E-02	4.14E-02	4.92E-02	0.00E+00	3.21E-04	1.42E-02	6.61E-03	0.00E+00	
Michigan	Grand Traverse County	26055	R	Cadmium Compounds	1.69E-06	2.10E-06	2.64E-06	4.39E-06	5.03E-06	6.66E-06	8.63E-06	1.16E-05	0.00E+00	5.01E-06	0.00E+00	2.34E-08	0.00E+00	
Michigan	Grand Traverse County	26055	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.78E-02	4.84E-02	4.96E-02	4.98E-02	0.00E+00	8.00E-04	0.00E+00	0.00E+00	4.70E-02	
Michigan	Grand Traverse County	26055	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	0.00E+00	1.64E-04	0.00E+00	0.00E+00	8.80E-01	
Michigan	Grand Traverse County	26055	R	Chloroform	8.59E-02	8.65E-02	8.88E-02	9.02E-02	9.42E-02	1.00E-01	1.06E-01	1.11E-01	0.00E+00	1.12E-02	0.00E+00	0.00E+00	8.30E-02	
Michigan	Grand Traverse County	26055	R	Chromium Compounds (includes Hexavalent)	7.38E-06	9.37E-06	1.04E-05	1.33E-05	5.41E-05	2.77E-05	4.26E-05	5.89E-04	3.64E-05	7.03E-06	9.85E-06	8.17E-07	0.00E+00	
Michigan	Grand Traverse County	26055	R	Chromium VI	3.04E-06	3.74E-06	4.37E-06	5.70E-06	1.14E-05	1.43E-05	2.33E-05	4.92E-05	2.91E-06	4.32E-06	3.90E-06	2.78E-07	0.00E+00	
Michigan	Grand Traverse County	26055	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	1,4-Dichlorobenzene	6.12E-03	6.74E-03	1.25E-02	1.59E-02	2.35E-02	3.67E-02	4.83E-02	5.18E-02	0.00E+00	2.35E-02	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	1,3-Dichloropropene	1.15E-02	1.30E-02	2.47E-02	3.18E-02	4.69E-02	7.39E-02	9.72E-02	1.05E-01	0.00E+00	4.69E-02	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	0.00E+00	7.72E-07	0.00E+00	0.00E+00	7.70E-03	
Michigan	Grand Traverse County	26055	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.11E-02	6.14E-02	6.25E-02	0.00E+00	1.81E-04	0.00E+00	0.00E+00	6.10E-02	
Michigan	Grand Traverse County	26055	R	Ethylene Oxide	7.24E-04	7.30E-04	1.37E-03	1.68E-03	3.34E-03	5.25E-03	8.12E-03	1.09E-02	0.00E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00	
Michigan	Grand Traverse County	26055	R	Formaldehyde	3.26E-01	3.32E-01	3.54E-01	3.89E-01	4.12E-01	4.67E-01	5.32E-01	5.43E-01	0.00E+00	1				

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Grand Traverse County	26055	R	Nickel Compounds	3.03E-05	3.63E-05	5.65E-05	7.26E-05	1.45E-04	1.96E-04	4.04E-04	5.27E-04	0.00E+00	1.31E-04	7.50E-06	6.12E-06	0.00E+00		
Michigan	Grand Traverse County	26055	R	Perchloroethylene	1.53E-01	1.57E-01	1.68E-01	1.97E-01	1.96E-01	2.22E-01	2.29E-01	2.35E-01	0.00E+00	5.61E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Grand Traverse County	26055	R	Polychlorinated Biphenyls	3.94E-04	4.00E-04	4.10E-04	4.36E-04	5.02E-04	5.61E-04	7.49E-04	7.78E-04	0.00E+00	1.22E-04	0.00E+00	0.00E+00	3.80E-04		
Michigan	Grand Traverse County	26055	R	Polycyclic Organic Matter	1.07E-02	1.62E-02	2.09E-02	2.54E-02	3.32E-02	4.99E-02	6.00E-02	6.18E-02	0.00E+00	2.72E-02	3.78E-03	2.21E-03	0.00E+00		
Michigan	Grand Traverse County	26055	R	7-PAH	4.47E-04	7.10E-04	9.05E-04	1.08E-03	1.30E-03	1.66E-03	2.28E-03	2.64E-03	0.00E+00	1.25E-03	2.85E-05	1.95E-05	0.00E+00		
Michigan	Grand Traverse County	26055	R	Propylene Dichloride	1.73E-05	2.00E-05	2.35E-05	2.71E-05	8.97E-05	5.81E-05	2.14E-04	7.24E-04	0.00E+00	8.97E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Grand Traverse County	26055	R	Quinoline	0.00E+00	0.00E+00	2.56E-15	5.97E-15	4.07E-10	4.80E-10	1.85E-09	2.18E-09	0.00E+00	4.07E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Grand Traverse County	26055	R	1,1,2,2-Tetrachloroethane	1.59E-04	1.87E-04	2.24E-04	2.50E-04	8.15E-04	5.06E-04	1.94E-03	6.62E-03	0.00E+00	8.15E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Grand Traverse County	26055	R	Trichloroethylene	8.28E-02	8.29E-02	8.46E-02	8.55E-02	9.41E-02	1.03E-01	1.13E-01	1.30E-01	0.00E+00	1.31E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Grand Traverse County	26055	R	Vinyl Chloride	4.22E-04	4.76E-04	5.45E-04	6.26E-04	2.01E-03	1.25E-03	4.78E-03	1.63E-02	0.00E+00	2.01E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Acetaldehyde	6.04E-02	6.04E-02	6.94E-02	8.22E-02	9.45E-02	1.17E-01	1.53E-01	1.53E-01	6.76E-06	2.18E-03	7.81E-02	1.42E-02	0.00E+00		
Michigan	Gratiot County	26057	R	Acrolein	8.54E-03	8.54E-03	8.73E-03	1.09E-02	1.23E-02	1.64E-02	1.91E-02	1.91E-02	1.07E-07	1.63E-03	8.81E-03	1.88E-03	0.00E+00		
Michigan	Gratiot County	26057	R	Acrylonitrile	1.21E-04	1.21E-04	1.34E-03	1.82E-03	2.35E-03	2.59E-03	5.77E-03	5.77E-03	1.56E-03	7.85E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Arsenic Compounds	1.06E-05	1.06E-05	1.13E-05	1.63E-05	2.34E-05	3.30E-05	4.61E-05	4.61E-05	2.91E-06	4.34E-06	1.12E-05	4.96E-06	0.00E+00		
Michigan	Gratiot County	26057	R	Benzene	5.98E-01	5.98E-01	6.11E-01	6.21E-01	7.11E-01	8.52E-01	9.25E-01	9.25E-01	4.21E-04	8.32E-02	1.26E-01	2.17E-02	4.80E-01		
Michigan	Gratiot County	26057	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Beryllium Compounds	4.02E-07	4.02E-07	4.65E-07	8.43E-07	1.01E-06	1.05E-06	2.56E-06	2.56E-06	2.43E-08	9.87E-07	0.00E+00	3.06E-09	0.00E+00		
Michigan	Gratiot County	26057	R	1,3-Butadiene	3.57E-03	3.57E-03	4.29E-03	5.48E-03	1.21E-02	2.39E-02	3.04E-02	3.04E-02	0.00E+00	7.16E-05	1.01E-02	1.89E-03	0.00E+00		
Michigan	Gratiot County	26057	R	Cadmium Compounds	1.05E-06	1.05E-06	1.14E-06	1.92E-06	2.63E-06	3.77E-06	6.06E-06	6.06E-06	2.65E-07	2.36E-06	0.00E+00	3.20E-09	0.00E+00		
Michigan	Gratiot County	26057	R	Carbon Disulfide	4.71E-02	4.71E-02	4.72E-02	4.73E-02	4.77E-02	4.74E-02	5.08E-02	5.08E-02	7.47E-05	6.10E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Gratiot County	26057	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	1.49E-04	1.08E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Gratiot County	26057	R	Chloroform	8.46E-02	8.46E-02	8.51E-02	8.54E-02	8.71E-02	8.95E-02	9.28E-02	9.28E-02	9.74E-05	4.02E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Gratiot County	26057	R	Chromium Compounds (includes Hexavalent)	8.38E-06	8.38E-06	1.07E-05	1.86E-05	2.90E-05	2.14E-05	1.37E-04	1.37E-04	1.57E-05	5.54E-06	7.49E-06	2.65E-07	0.00E+00		
Michigan	Gratiot County	26057	R	Chromium VI	3.97E-06	3.97E-06	5.54E-06	7.99E-06	1.38E-05	9.23E-06	6.71E-05	6.71E-05	7.55E-06	3.18E-06	3.00E-06	9.00E-08	0.00E+00		
Michigan	Gratiot County	26057	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	1,4-Dichlorobenzene	5.81E-03	5.81E-03	7.25E-03	8.27E-03	1.49E-02	2.73E-02	3.13E-02	3.13E-02	0.00E+00	1.49E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	1,3-Dichloropropene	1.10E-02	1.10E-02	1.41E-02	1.61E-02	2.96E-02	5.50E-02	6.34E-02	6.34E-02	0.00E+00	2.96E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	7.72E-03	7.72E-03	4.73E-10	7.87E-06	0.00E+00	0.00E+00	7.70E-03		
Michigan	Gratiot County	26057	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.16E-02	6.16E-02	1.61E-02	7.61E-06	1.17E-04	0.00E+00	0.00E+00	6.10E-02	
Michigan	Gratiot County	26057	R	Ethylene Oxide	6.67E-04	6.67E-04	7.78E-04	1.29E-03	2.15E-03	3.43E-03	5.79E-03	5.79E-03	1.82E-04	1.97E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Formaldehyde	3.14E-01	3.14E-01	3.20E-01	3.31E-01	3.54E-01	4.00E-01	4.27E-01	4.27E-01	3.12E-06	3.60E-03	7.18E-02	2.90E-02	2.50E-01		
Michigan	Gratiot County	26057	R	Hexachlorobenzene	9.32E-05	9.32E-05	9.32E-05	9.34E-05	9.36E-05	9.39E-05	9.42E-05	9.42E-05	0.00E+00	5.56E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Gratiot County	26057	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	5.34E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Gratiot County	26057	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Hydrazine	1.42E-10	1.42E-10	1.70E-06	4.58E-06	4.29E-06	5.33E-06	1.19E-05	1.19E-05	4.27E-06	2.03E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Lead Compounds	1.22E-04	1.22E-04	1.38E-04	1.81E-04	2.24E-04	2.38E-04	4.15E-04	4.15E-04	1.33E-06	8.87E-05	0.00E+00	1.34E-04	0.00E+00		
Michigan	Gratiot County	26057	R	Manganese Compounds	3.83E-05	3.83E-05	7.17E-05	8.48E-05	1.19E-04	9.62E-05	4.04E-04	4.04E-04	3.97E-05	7.61E-05	2.36E-06	4.23E-07	0.00E+00		
Michigan	Gratiot County	26057	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.55E-03	6.98E-09	5.69E-06	1.24E-05	4.14E-06	1.50E-03		
Michigan	Gratiot County	26057	R	Methylene Chloride	1.62E-01	1.62E-01	1.65E-01	1.70E-01	1.92E-01	2.17E-01	2.59E-01	2.59E-01	7.30E-04	4.09E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Gratiot County	26057	R	Nickel Compounds	4.02E-05	4.02E-05	4.96E-05	1.48E-04	1.42E-04	1.59E-04	2.92E-04	2.92E-04	1.17E-05	1.24E-04	5.61E-06	6.80E-07	0.00E+00		
Michigan	Gratiot County	26057	R	Perchloroethylene	1.46E-01	1.46E-01	1.51E-01	1.57E-01	1.64E-01	1.80E-01	1.89E-01	1.89E-01	1.05E-03	2.34E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Gratiot County	26057	R	Polychlorinated Biphenyls	3.98E-04	3.98E-04	4.00E-04	4.16E-04	4.39E-04	4.78E-04	5.19E-04	5.19E-04	0.00E+00	5.88E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Gratiot County	26057	R	Polycyclic Organic Matter	1.21E-02	1.21E-02	1.28E-02	1.36E-02	2.04E-02	3.14E-02	3.64E-02	3.64E-02	1.87E-06	1.71E-02	2.93E-03	3.94E-04	0.00E+00		
Michigan	Gratiot County	26057	R	7-PAH	6.06E-04	6.06E-04	7.49E-04	7.56E-04	1.03E-03	1.45E-03	1.57E-03	1.57E-03	1.46E-09	1.01E-03	2.10E-05	4.05E-06	0.00E+00		
Michigan	Gratiot County	26057	R	Propylene Dichloride	7.09E-06	7.09E-06	1.59E-05	1.96E-05	4.70E-05	3.61E-05	2.41E-04	2.41E-04	0.00E+00	4.70E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Quinoline	3.19E-09	3.19E-09	6.93E-09	1.85E-08	6.35E-08	2.21E-08	4.56E-07	4.56E-07	0.00E+00	6.35E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	1,1,2,2-Tetrachloroethane	6.24E-05	6.24E-05	1.41E-04	1.75E-04	4.18E-04	3.25E-04	2.12E-03	2.12E-03	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Gratiot County	26057	R	Trichloroethylene	8.63E-02	8.63E-02	9.03E-02	9.15E-02	9.29E-02	9.59E-02	9.92E-02	9.92E-02	6.58E-03	5.29E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Gratiot County	26057	R	Vinyl Chloride	2.77E-04	2.77E-04	5.28E-04	5.63E-04	1.31E-03	1.05E-03	6.44E-03	6.44E-03	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Hillsdale County	26059	R	Acetaldehyde	9.93E-02	9.94E-02	1.06E-01	1.16E-01	1.22E-01	1.29E-01	1.57E-01	1.57E-01	2.19E-05	2.22E-03	1.06E-01	1.30E-02	0.00E+00		
Michigan	Hillsdale County	26059	R	Acrolein	1.40E-02	1.46E-02	1.49E-02	1.66E-02	1.76E-02	1.77E-02	2.41E-02	2.84E-02	1.96E-06	1.88E-03	1.34E-02	2.36E-03	0.00E+00		
Michigan	Hillsdale County	26059	R	Acrylonitrile	2.01E-04	2.20E-04	3.91E-04	5.85E-04	9.24E-04	9.93E-04	1.50E-03	4.11E-03	0.00E+00	9.24E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Hillsdale County	26059	R	Arsenic Compounds	1.55E-05	1.59E-05	1.63E-05	1.82E-05	2.33E-05	2.12E-05	4.13E-05	5.98E-05	5.40E-08	4.78E-06	1.43E-05	4.24E-06	0.00E+00		
Michigan	Hillsdale County	26059	R	Benzene	6.41E-01	6.49E-01	6.53E-01	6.79E-01	7.32E-01	7.04E-01	9.44E-01	1.13E+00	8.01E-05	7.58E-02	1.47E-01	2.91E-02	4.80E-01		
Michigan	Hillsdale County	26059	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Hillsdale County	26059	R	Beryllium Compounds	6.99E-07	7.62E-07	3.84E-06	9.42E-06	8.21E-06	1.20E-05	1.35E-05	1.49E-0							

DRAFT FOR REVIEW ONLY																	
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Hillsdale County	26059	R	1,4-Dichlorobenzene	5.87E-03	6.40E-03	7.58E-03	9.57E-03	1.49E-02	1.20E-02	3.61E-02	5.15E-02	0.00E+00	1.49E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	1,3-Dichloropropene	1.14E-02	1.24E-02	1.46E-02	1.82E-02	2.94E-02	2.34E-02	7.26E-02	1.04E-01	0.00E+00	2.94E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	9.21E-09	7.31E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Hillsdale County	26059	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.14E-02	6.17E-02	3.13E-05	1.55E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Hillsdale County	26059	R	Ethylene Oxide	4.83E-04	5.05E-04	7.14E-04	9.46E-04	1.56E-03	1.19E-03	3.71E-03	6.36E-03	1.17E-09	1.56E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Formaldehyde	3.43E-01	3.49E-01	3.55E-01	3.61E-01	3.83E-01	4.04E-01	4.38E-01	4.90E-01	5.32E-03	1.05E-02	8.85E-02	2.84E-02	2.50E-01
Michigan	Hillsdale County	26059	R	Hexachlorobenzene	9.33E-05	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.35E-05	9.47E-05	9.56E-05	0.00E+00	6.59E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Hillsdale County	26059	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	6.55E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Hillsdale County	26059	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Hydrazine	6.74E-10	1.17E-09	1.57E-09	4.64E-09	9.50E-08	2.37E-08	2.17E-07	8.51E-07	2.48E-11	9.50E-08	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Lead Compounds	3.46E-04	4.13E-04	4.57E-04	5.55E-04	5.48E-04	6.39E-04	6.74E-04	7.61E-04	3.11E-04	1.32E-04	0.00E+00	1.05E-04	0.00E+00
Michigan	Hillsdale County	26059	R	Manganese Compounds	1.99E-04	2.71E-04	3.19E-04	3.82E-04	3.85E-04	4.67E-04	4.86E-04	5.20E-04	2.55E-04	1.27E-04	2.79E-06	3.92E-07	0.00E+00
Michigan	Hillsdale County	26059	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.56E-03	1.61E-03	1.26E-05	8.72E-06	1.63E-05	3.64E-06	1.50E-03
Michigan	Hillsdale County	26059	R	Methylene Chloride	1.67E-01	1.75E-01	1.76E-01	1.79E-01	2.08E-01	2.28E-01	2.63E-01	3.57E-01	9.18E-03	4.84E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Hillsdale County	26059	R	Nickel Compounds	5.55E-05	7.56E-05	9.02E-05	1.13E-04	1.66E-04	1.74E-04	2.99E-04	5.74E-04	2.70E-05	1.31E-04	6.77E-06	6.12E-07	0.00E+00
Michigan	Hillsdale County	26059	R	Perchloroethylene	1.48E-01	1.49E-01	1.51E-01	1.54E-01	1.63E-01	1.66E-01	1.91E-01	2.11E-01	3.16E-07	2.27E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Hillsdale County	26059	R	Polychlorinated Biphenyls	4.06E-04	4.06E-04	4.10E-04	4.15E-04	4.51E-04	4.36E-04	5.70E-04	6.77E-04	0.00E+00	7.14E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Hillsdale County	26059	R	Polycyclic Organic Matter	1.24E-02	1.28E-02	1.33E-02	1.64E-02	2.09E-02	1.78E-02	4.05E-02	5.71E-02	6.46E-04	1.63E-02	3.49E-03	4.06E-04	0.00E+00
Michigan	Hillsdale County	26059	R	7-PAH	4.18E-04	4.37E-04	5.15E-04	5.57E-04	7.31E-04	6.42E-04	1.36E-03	2.02E-03	2.55E-08	7.00E-04	2.59E-05	4.98E-06	0.00E+00
Michigan	Hillsdale County	26059	R	Propylene Dichloride	1.21E-05	1.31E-05	2.35E-05	3.52E-05	5.67E-05	6.08E-05	9.05E-05	2.57E-04	0.00E+00	5.67E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Quinoline	1.22E-08	2.34E-08	3.15E-08	4.75E-08	2.81E-07	1.24E-07	6.47E-07	2.18E-06	0.00E+00	2.81E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	1,1,2,2-Tetrachloroethane	1.06E-04	1.17E-04	2.00E-04	3.15E-04	4.86E-04	5.16E-04	8.18E-04	2.13E-03	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Hillsdale County	26059	R	Trichloroethylene	8.30E-02	8.30E-02	8.35E-02	8.40E-02	8.71E-02	8.57E-02	9.33E-02	1.11E-01	0.00E+00	6.06E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Hillsdale County	26059	R	Vinyl Chloride	3.15E-04	3.62E-04	8.29E-04	1.09E-03	1.75E-03	1.96E-03	2.46E-03	7.88E-03	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Houghton County	26061	R	Acetaldehyde	1.65E-02	3.08E-02	3.41E-02	5.53E-02	5.60E-02	6.71E-02	8.52E-02	1.26E-01	0.00E+00	2.10E-03	3.75E-02	1.64E-02	0.00E+00
Michigan	Houghton County	26061	R	Acrolein	4.88E-03	8.35E-03	9.85E-03	1.06E-02	1.22E-02	1.59E-02	2.72E-02	2.45E-02	0.00E+00	3.89E-03	5.31E-03	2.99E-03	0.00E+00
Michigan	Houghton County	26061	R	Acrylonitrile	3.79E-05	4.52E-05	6.34E-05	1.12E-04	3.55E-04	3.42E-04	5.32E-04	2.16E-03	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Houghton County	26061	R	Arsenic Compounds	2.09E-06	4.26E-06	4.68E-06	1.27E-05	2.06E-05	2.01E-05	5.69E-05	6.92E-05	0.00E+00	8.55E-06	9.38E-06	2.69E-06	0.00E+00
Michigan	Houghton County	26061	R	Benzene	5.40E-01	5.56E-01	5.69E-01	6.52E-01	6.88E-01	7.64E-01	7.88E-01	1.04E+00	0.00E+00	7.02E-02	9.99E-02	3.83E-02	4.80E-01
Michigan	Houghton County	26061	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Houghton County	26061	R	Beryllium Compounds	6.53E-08	1.36E-07	1.63E-07	4.71E-07	7.98E-07	7.60E-07	2.24E-06	2.71E-06	0.00E+00	7.95E-07	0.00E+00	3.15E-09	0.00E+00
Michigan	Houghton County	26061	R	1,3-Butadiene	2.08E-03	4.18E-03	4.46E-03	9.32E-03	1.33E-02	2.04E-02	2.32E-02	4.15E-02	0.00E+00	9.16E-04	9.78E-03	2.58E-03	0.00E+00
Michigan	Houghton County	26061	R	Cadmium Compounds	4.42E-07	5.72E-07	7.16E-07	2.36E-06	4.47E-06	3.91E-06	1.34E-05	1.82E-05	0.00E+00	4.43E-06	0.00E+00	4.40E-08	0.00E+00
Michigan	Houghton County	26061	R	Carbon Disulfide	4.70E-02	4.71E-02	4.71E-02	4.73E-02	4.74E-02	4.74E-02	4.76E-02	4.88E-02	0.00E+00	4.15E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Houghton County	26061	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	8.42E-05	0.00E+00	0.00E+00	8.80E-01
Michigan	Houghton County	26061	R	Chloroform	8.32E-02	8.34E-02	8.36E-02	8.44E-02	8.53E-02	8.55E-02	8.76E-02	9.16E-02	0.00E+00	2.29E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Houghton County	26061	R	Chromium Compounds (includes Hexavalent)	1.86E-06	2.81E-06	3.03E-06	1.15E-05	2.10E-05	1.68E-05	7.36E-05	7.58E-05	0.00E+00	1.44E-05	6.05E-06	5.05E-07	0.00E+00
Michigan	Houghton County	26061	R	Chromium VI	8.42E-07	1.24E-06	1.33E-06	5.63E-06	1.06E-05	8.17E-06	3.89E-05	3.92E-05	0.00E+00	8.00E-06	2.43E-06	1.72E-07	0.00E+00
Michigan	Houghton County	26061	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Houghton County	26061	R	1,4-Dichlorobenzene	1.04E-03	1.97E-03	2.52E-03	8.53E-03	1.32E-02	1.62E-02	2.83E-02	4.63E-02	0.00E+00	1.32E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Houghton County	26061	R	1,3-Dichloropropene	1.96E-03	3.77E-03	4.54E-03	1.73E-02	2.67E-02	3.30E-02	5.76E-02	9.44E-02	0.00E+00	2.67E-02	0.00E+00	0.00E+00	

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Huron County	26063	R	Acrolein	3.63E-03	4.07E-03	4.42E-03	4.90E-03	5.40E-03	5.46E-03	9.07E-03	9.14E-03	2.28E-06	6.12E-04	2.78E-03	2.01E-03	0.00E+00		
Michigan	Huron County	26063	R	Acrylonitrile	9.83E-05	1.89E-04	2.24E-04	4.05E-04	5.39E-04	5.26E-04	9.79E-04	2.51E-03	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Arsenic Compounds	2.14E-06	5.12E-06	6.25E-06	7.25E-06	1.13E-05	1.85E-05	2.24E-05	2.52E-05	2.21E-06	9.24E-07	4.51E-06	3.66E-06	0.00E+00		
Michigan	Huron County	26063	R	Benzene	5.38E-01	5.51E-01	5.58E-01	5.68E-01	5.94E-01	5.98E-01	7.35E-01	7.38E-01	1.49E-05	4.18E-02	4.10E-02	3.16E-02	4.80E-01		
Michigan	Huron County	26063	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Beryllium Compounds	3.90E-08	1.16E-07	1.47E-07	2.74E-07	4.47E-07	8.75E-07	1.05E-06	1.21E-06	1.16E-07	3.29E-07	0.00E+00	1.21E-09	0.00E+00		
Michigan	Huron County	26063	R	1,3-Butadiene	2.47E-03	2.51E-03	3.11E-03	3.25E-03	5.49E-03	6.70E-03	1.42E-02	1.42E-02	0.00E+00	7.72E-05	3.49E-03	1.92E-03	0.00E+00		
Michigan	Huron County	26063	R	Cadmium Compounds	2.03E-07	4.37E-07	4.83E-07	8.50E-07	1.91E-06	2.18E-06	2.29E-06	1.23E-05	2.96E-07	1.60E-06	0.00E+00	1.56E-08	0.00E+00		
Michigan	Huron County	26063	R	Carbon Disulfide	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.75E-02	4.77E-02	1.32E-06	2.08E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Huron County	26063	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	6.40E-05	0.00E+00	0.00E+00	8.80E-01	
Michigan	Huron County	26063	R	Chloroform	8.31E-02	8.34E-02	8.36E-02	8.37E-02	8.42E-02	8.41E-02	8.69E-02	8.69E-02	2.22E-07	1.19E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Huron County	26063	R	Chromium Compounds (includes Hexavalent)	1.16E-06	1.75E-06	2.02E-06	2.73E-06	1.54E-05	9.32E-06	6.57E-05	9.34E-05	1.17E-05	7.71E-07	2.59E-06	3.28E-07	0.00E+00		
Michigan	Huron County	26063	R	Chromium VI	4.23E-07	6.84E-07	8.65E-07	1.14E-06	3.58E-06	4.03E-06	1.19E-05	1.71E-05	2.01E-06	4.14E-07	1.04E-06	1.12E-07	0.00E+00		
Michigan	Huron County	26063	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	1,4-Dichlorobenzene	5.06E-04	1.71E-03	2.74E-03	3.14E-03	5.14E-03	4.62E-03	1.60E-02	1.61E-02	0.00E+00	5.14E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	1,3-Dichloropropene	9.44E-04	3.28E-03	5.33E-03	6.21E-03	1.02E-02	8.89E-03	3.22E-02	3.23E-02	0.00E+00	1.02E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	4.55E-09	3.06E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Huron County	26063	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.15E-02	4.05E-07	1.12E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Huron County	26063	R	Ethylene Oxide	5.15E-05	1.75E-04	2.84E-04	3.43E-04	5.47E-04	4.79E-04	1.74E-03	1.74E-03	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Formaldehyde	2.73E-01	2.84E-01	2.90E-01	2.95E-01	3.03E-01	3.04E-01	3.52E-01	3.54E-01	1.31E-05	1.47E-03	2.23E-02	2.93E-02	2.50E-01		
Michigan	Huron County	26063	R	Hexachlorobenzene	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.33E-05	9.41E-05	9.41E-05	0.00E+00	3.10E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Huron County	26063	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.71E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Huron County	26063	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Hydrazine	1.12E-11	3.23E-11	1.06E-10	5.41E-10	2.75E-09	8.18E-10	3.60E-09	2.71E-08	0.00E+00	2.75E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Lead Compounds	4.98E-06	2.13E-05	3.44E-05	6.18E-05	8.98E-05	1.31E-04	1.81E-04	2.08E-04	1.55E-05	6.65E-05	0.00E+00	7.76E-06	0.00E+00		
Michigan	Huron County	26063	R	Manganese Compounds	3.78E-06	6.65E-06	9.07E-06	1.15E-05	3.81E-05	2.75E-05	1.26E-04	1.89E-04	5.26E-06	3.16E-05	8.10E-07	4.67E-07	0.00E+00		
Michigan	Huron County	26063	R	Mercury Compounds	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	2.85E-07	2.40E-06	5.36E-06	3.01E-06	1.50E-03		
Michigan	Huron County	26063	R	Methylene Chloride	1.51E-01	1.54E-01	1.56E-01	1.57E-01	1.63E-01	1.61E-01	1.94E-01	2.00E-01	2.73E-06	1.35E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Huron County	26063	R	Nickel Compounds	8.41E-06	9.36E-06	1.32E-05	1.42E-05	1.19E-04	1.23E-04	4.36E-04	6.33E-04	7.96E-05	3.40E-05	1.96E-06	3.63E-06	0.00E+00		
Michigan	Huron County	26063	R	Perchloroethylene	1.41E-01	1.42E-01	1.43E-01	1.45E-01	1.48E-01	1.51E-01	1.64E-01	1.67E-01	4.05E-07	8.32E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Huron County	26063	R	Polychlorinated Biphenyls	3.82E-04	3.85E-04	3.88E-04	3.93E-04	4.11E-04	4.06E-04	4.93E-04	4.93E-04	0.00E+00	3.08E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Huron County	26063	R	Polycyclic Organic Matter	1.58E-03	4.70E-03	5.52E-03	7.23E-03	9.57E-03	8.23E-03	2.48E-02	2.49E-02	2.04E-07	8.31E-03	9.96E-04	2.65E-04	0.00E+00		
Michigan	Huron County	26063	R	7-PAH	8.34E-05	2.24E-04	2.37E-04	3.01E-04	4.47E-04	4.24E-04	1.15E-03	1.16E-03	2.93E-09	4.31E-04	7.67E-06	7.41E-06	0.00E+00		
Michigan	Huron County	26063	R	Propylene Dichloride	5.93E-06	1.14E-05	1.34E-05	2.45E-05	3.25E-05	3.18E-05	5.84E-05	1.51E-04	0.00E+00	3.25E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Quinoline	2.31E-10	4.64E-10	2.00E-09	5.35E-09	1.10E-08	5.76E-09	1.26E-08	8.96E-08	0.00E+00	1.10E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	1,1,2,2-Tetrachloroethane	5.42E-05	1.03E-04	1.22E-04	2.19E-04	2.93E-04	2.90E-04	5.22E-04	1.37E-03	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Huron County	26063	R	Trichloroethylene	8.12E-02	8.15E-02	8.18E-02	8.19E-02	8.28E-02	8.24E-02	8.70E-02	8.87E-02	0.00E+00	1.81E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Huron County	26063	R	Vinyl Chloride	1.79E-04	3.76E-04	5.82E-04	7.92E-04	1.33E-03	8.88E-04	3.78E-03	5.88E-03	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Acetaldehyde	2.06E-01	2.68E-01	3.39E-01	4.51E-01	5.21E-01	6.31E-01	8.65E-01	1.27E+00	5.88E-03	4.53E-03	4.57E-01	5.30E-02	0.00E+00		
Michigan	Ingham County	26065	U	Acrolein	2.91E-02	3.96E-02	5.10E-02	6.12E-02	6.24E-02	7.31E-02	8.41E-02	9.40E-02	3.78E-04	6.27E-03	4.89E-02	6.83E-03	0.00E+00		
Michigan	Ingham County	26065	U	Acrylonitrile	7.72E-04	8.08E-04	8.55E-04	1.02E-03	1.69E-03	1.39E-03	2.12E-03	3.94E-03	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Arsenic Compounds	8.79E-05	2.07E-04	4.04E-04	7.57E-04	1.80E-03	1.43E-03	3.39E-03	7.21E-03	1.68E-03	4.42E-05	5.96E-05	1.34E-05	0.00E+00		
Michigan	Ingham County	26065	U	Benzene	8.31E-01	9.08E-01	1.17E+00	1.39E+00	1.53E+00	1.80E+00	2.24E+00	2.65E+00	2.25E-03	1.13E-01	8.19E-01	1.11E-01	4.80E-01		
Michigan	Ingham County	26065	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Beryllium Compounds	2.03E-06	2.35E-06	3.19E-06	4.31E-06	6.14E-06	6.37E-06	1.20E-05	1.74E-05	9.98E-07	3.92E-06	0.00E+00	1.22E-06	0.00E+00		
Michigan	Ingham County	26065	U	1,3-Butadiene	1.12E-02	1.86E-02	3.84E-02	7.01E-02	8.42E-02	1.09E-01	1.73E-01	2.09E-01	0.00E+00	1.09E-04	7.16E-02	1.25E-02	0.00E+00		
Michigan	Ingham County	26065	U	Cadmium Compounds	6.18E-05	8.54E-05	1.51E-04	2.28E-04	3.28E-04	3.48E-04	6.81E-04	1.69E-04	1.68E-04	1.58E-04	0.00E+00	1.21E-06	0.00E+00		
Michigan	Ingham County	26065	U	Carbon Disulfide	4.74E-02	4.75E-02	4.77E-02	4.80E-02	4.92E-02	4.87E-02	5.09E-02	5.42E-02	1.73E-04	2.06E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Ingham County	26065	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	3.43E-08	3.42E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Ingham County	26065	U	Chloroform	9.20E-02	9.98E-02	1.13E-01	1.22E-01	1.32E-01	1.23E-01	1.44E-01	1.65E-01	7.84E-05	4.00E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Ingham County	26065	U	Chromium Compounds (includes Hexavalent)	7.15E-04	8.32E-04	1.43E-03	2.46E-03	5.71E-03	4.38E-03	1.06E-02	2.26E-02	5.53E-03	1.30E-04	5.03E-05	1.87E-06	0.00E+00		
Michigan	Ingham County	26065	U	Chromium VI	1.06E-04	1.40E-04	2.05E-04	3.95E-04	1.00E-03	7.77E-04	1.88E-03	4.08E-03	9.66E-04	1.60E-05	2.01E-05	6.35E-07	0.00E+00		
Michigan	Ingham County	26065	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	1,4-Dichlorobenzene	1.83E-02	3.18E-02	5.32E-02	6.98E-02	7.01E-02	8.52E-02	1.02E-01	1.17E-01	0.00E+00	7.01E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	1,3-Dichloropropene	3.34E-02	6.30E-02	1.07E-01	1.41E-01	1.41E-01	1.72E-01	2.06E-01	2.37E-01	0.00E+00	1.41E-01	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	1.58E-06	1.10E-06	0.00E+00	0.00E+00	7.70E-03</			

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Ingham County	26065	U	Manganese Compounds	9.88E-05	1.22E-04	1.93E-04	2.81E-04	3.41E-04	4.62E-04	6.98E-04	7.38E-04	2.16E-04	1.07E-04	1.64E-05	1.46E-06	0.00E+00		
Michigan	Ingham County	26065	U	Mercury Compounds	1.56E-03	1.57E-03	1.59E-03	1.62E-03	1.66E-03	1.69E-03	1.80E-03	1.89E-03	5.51E-05	3.00E-05	5.86E-05	1.18E-05	1.50E-03		
Michigan	Ingham County	26065	U	Methylene Chloride	2.02E-01	2.58E-01	3.15E-01	3.85E-01	5.62E-01	5.48E-01	8.96E-01	1.32E+00	4.60E-04	4.11E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Ingham County	26065	U	Nickel Compounds	9.35E-05	1.08E-04	1.78E-04	2.88E-04	4.97E-04	4.59E-04	8.39E-04	1.59E-03	3.49E-04	1.07E-04	3.75E-05	2.60E-06	0.00E+00		
Michigan	Ingham County	26065	U	Perchloroethylene	1.68E-01	1.83E-01	2.28E-01	3.51E-01	3.57E-01	4.04E-01	5.94E-01	6.62E-01	5.63E-05	2.17E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	Ingham County	26065	U	Polychlorinated Biphenyls	4.00E-04	4.01E-04	4.06E-04	4.15E-04	4.18E-04	4.27E-04	4.34E-04	4.47E-04	0.00E+00	3.76E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Ingham County	26065	U	Polycyclic Organic Matter	2.64E-02	3.43E-02	6.07E-02	7.41E-02	7.65E-02	9.08E-02	1.15E-01	1.29E-01	3.31E-05	5.44E-02	1.92E-02	2.83E-03	0.00E+00		
Michigan	Ingham County	26065	U	7-PAH	5.61E-04	5.80E-04	6.34E-04	7.05E-04	7.46E-04	8.31E-04	9.37E-04	1.11E-03	3.68E-07	5.93E-04	1.27E-04	2.58E-05	0.00E+00		
Michigan	Ingham County	26065	U	Propylene Dichloride	3.82E-05	3.99E-05	4.37E-05	4.96E-05	8.88E-05	6.46E-05	1.20E-04	2.28E-04	6.71E-07	8.82E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Quinoline	2.82E-08	3.44E-08	5.45E-08	8.97E-08	2.73E-07	1.36E-07	3.52E-07	1.15E-06	0.00E+00	2.73E-07	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	1,1,2,2-Tetrachloroethane	2.91E-04	3.16E-04	3.59E-04	4.17E-04	7.61E-04	5.48E-04	8.43E-04	2.08E-03	5.67E-14	7.61E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ingham County	26065	U	Trichloroethylene	9.09E-02	9.55E-02	1.01E-01	1.07E-01	1.15E-01	1.19E-01	1.30E-01	1.59E-01	8.06E-03	2.58E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Ingham County	26065	U	Vinyl Chloride	1.21E-03	1.28E-03	1.45E-03	1.61E-03	3.01E-03	2.26E-03	4.01E-03	7.56E-03	0.00E+00	3.01E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Acetaldehyde	7.02E-02	9.05E-02	9.86E-02	1.38E-01	1.35E-01	1.63E-01	1.79E-01	2.19E-01	2.73E-05	1.42E-03	1.17E-01	1.65E-02	0.00E+00		
Michigan	Ionia County	26067	R	Acrolein	1.16E-02	1.64E-02	1.84E-02	2.09E-02	2.10E-02	2.45E-02	2.55E-02	2.80E-02	2.81E-06	2.18E-03	1.56E-02	3.20E-03	0.00E+00		
Michigan	Ionia County	26067	R	Acrylonitrile	1.50E-04	2.98E-04	5.22E-04	8.68E-04	7.45E-04	9.66E-04	1.02E-03	1.16E-03	1.93E-04	5.52E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Arsenic Compounds	2.07E-05	2.71E-05	3.09E-05	3.80E-05	3.76E-05	4.29E-05	4.97E-05	5.55E-05	8.86E-06	6.77E-06	1.64E-05	5.50E-06	0.00E+00		
Michigan	Ionia County	26067	R	Benzene	6.20E-01	6.60E-01	6.86E-01	7.92E-01	7.67E-01	8.14E-01	8.39E-01	9.65E-01	5.17E-04	7.78E-02	1.73E-01	3.48E-02	4.80E-01		
Michigan	Ionia County	26067	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Beryllium Compounds	6.95E-07	8.29E-07	9.61E-07	1.23E-06	1.55E-06	2.14E-06	2.84E-06	2.93E-06	2.86E-08	1.42E-06	0.00E+00	1.02E-07	0.00E+00		
Michigan	Ionia County	26067	R	1,3-Butadiene	3.91E-03	5.61E-03	6.98E-03	1.33E-02	1.33E-02	1.85E-02	1.95E-02	2.55E-02	0.00E+00	1.03E-04	1.04E-02	2.82E-03	0.00E+00		
Michigan	Ionia County	26067	R	Cadmium Compounds	2.41E-06	2.81E-06	3.56E-06	5.70E-06	6.03E-06	8.46E-06	9.17E-06	1.22E-05	8.98E-07	5.03E-06	0.00E+00	1.01E-07	0.00E+00		
Michigan	Ionia County	26067	R	Carbon Disulfide	4.73E-02	4.74E-02	4.77E-02	4.80E-02	4.79E-02	4.81E-02	4.82E-02	4.82E-02	2.70E-05	8.27E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Ionia County	26067	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	3.54E-07	1.13E-04	0.00E+00	0.00E+00	8.80E-01	
Michigan	Ionia County	26067	R	Chloroform	8.52E-02	8.59E-02	8.61E-02	8.68E-02	8.76E-02	8.95E-02	9.03E-02	9.13E-02	2.72E-06	4.65E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Ionia County	26067	R	Chromium Compounds (includes Hexavalent)	8.00E-05	1.01E-04	1.26E-04	1.48E-04	1.62E-04	1.73E-04	1.94E-04	3.73E-04	6.61E-05	8.41E-05	1.10E-05	4.76E-07	0.00E+00		
Michigan	Ionia County	26067	R	Chromium VI	2.48E-05	2.81E-05	3.39E-05	6.09E-05	7.81E-05	8.58E-05	1.00E-04	3.03E-04	1.80E-05	5.56E-05	4.40E-06	1.62E-07	0.00E+00		
Michigan	Ionia County	26067	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	1,4-Dichlorobenzene	9.00E-03	1.08E-02	1.18E-02	1.39E-02	2.23E-02	3.57E-02	4.93E-02	1.78E-05	2.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	1,3-Dichloropropene	1.74E-02	2.04E-02	2.26E-02	2.64E-02	4.39E-02	7.12E-02	8.72E-02	9.92E-02	0.00E+00	4.39E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.21E-07	4.45E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Ionia County	26067	R	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	2.38E-05	1.05E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Ionia County	26067	R	Ethylene Oxide	9.31E-04	1.15E-03	1.25E-03	1.49E-03	2.29E-03	3.60E-03	4.50E-03	4.94E-03	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Formaldehyde	3.23E-01	3.45E-01	3.63E-01	3.99E-01	3.90E-01	4.14E-01	4.37E-01	4.41E-01	7.27E-05	4.10E-03	1.01E-01	3.49E-02	2.50E-01		
Michigan	Ionia County	26067	R	Hexachlorobenzene	9.32E-05	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.39E-05	9.43E-05	9.47E-05	0.00E+00	6.50E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Ionia County	26067	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	4.77E-08	0.00E+00	0.00E+00	1.80E-03	
Michigan	Ionia County	26067	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Hydrazine	1.24E-09	1.46E-09	2.88E-09	7.66E-09	8.25E-09	1.11E-08	1.55E-08	2.49E-08	0.00E+00	8.25E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Lead Compounds	2.84E-04	4.03E-04	4.52E-04	8.63E-04	9.19E-04	1.19E-03	1.45E-03	2.19E-03	1.58E-05	1.71E-04	0.00E+00	7.31E-04	0.00E+00		
Michigan	Ionia County	26067	R	Manganese Compounds	1.69E-05	3.44E-05	6.34E-05	1.23E-04	1.74E-04	3.38E-04	3.70E-04	3.78E-04	1.14E-05	1.59E-04	3.41E-06	5.17E-07	0.00E+00		
Michigan	Ionia County	26067	R	Mercury Compounds	1.52E-03	1.52E-03	1.53E-03	1.54E-03	1.54E-03	1.55E-03	1.56E-03	1.61E-03	1.03E-06	1.94E-05	1.84E-05	4.62E-06	1.50E-03		
Michigan	Ionia County	26067	R	Methylene Chloride	1.68E-01	1.74E-01	1.78E-01	1.87E-01	2.11E-01	2.53E-01	2.86E-01	2.95E-01	9.27E-04	6.05E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Ionia County	26067	R	Nickel Compounds	3.72E-05	4.69E-05	5.49E-05	1.28E-04	1.80E-04	2.16E-04	5.12E-04	5.30E-04	7.60E-06	1.64E-04	8.27E-06	8.19E-07	0.00E+00		
Michigan	Ionia County	26067	R	Perchloroethylene	1.54E-01	1.59E-01	1.60E-01	1.76E-01	1.82E-01	1.98E-01	2.16E-01	2.40E-01	3.45E-04	4.19E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Ionia County	26067	R	Polychlorinated Biphenyls	4.01E-04	4.10E-04	4.14E-04	4.28E-04	4.56E-04	4.90E-04	5.34E-04	5.93E-04	0.00E+00	7.56E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Ionia County	26067	R	Polycyclic Organic Matter	1.39E-02	1.58E-02	1.79E-02	2.21E-02	2.70E-02	3.65E-02	4.70E-02	4.87E-02	2.28E-07	2.19E-02	4.28E-03	8.49E-04	0.00E+00		
Michigan	Ionia County	26067	R	7-PAH	4.84E-04	4.87E-04	5.12E-04	6.32E-04	7.75E-04	1.04E-03	1.19E-03	3.28E-07	7.36E-04	3.10E-05	7.55E-06	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Propylene Dichloride	8.54E-06	1.71E-05	3.00E-05	5.28E-05	4.48E-05	5.89E-05	6.22E-05	7.01E-05	1.17E-05	3.31E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Quinoline	1.82E-08	3.42E-08	5.82E-08	1.29E-07	1.24E-07	1.83E-07	2.12E-07	2.24E-07	0.00E+00	1.24E-07	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	1,1,2,2-Tetrachloroethane	7.28E-05	1.48E-04	2.56E-04	4.67E-04	3.95E-04	5.52E-04	6.26E-04	1.07E-04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ionia County	26067	R	Trichloroethylene	8.70E-02	8.82E-02	8.90E-02	9.18E-02	9.23E-02	9.41E-02	9.66E-02	1.02E-01	6.02E-03	5.23E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Ionia County	26067	R	Vinyl Chloride	3.92E-04	7.06E-04	1.23E-03	1.64E-03	1.46E-03	1.76E-03	1.85E-03	2.14E-03	2.64E-04	1.20E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Iosco County	26069	R	Acetaldehyde	2.06E-02	2.33E-02	2.49E-02	3.19E-02	3.77E-02	4.69E-02	5.66E-02	7.75E-02	0.00E+00	9.77E-04	2.49E-02	1.18E-02	0.00E+00		
Michigan	Iosco County	26069	R	Acrolein	4.23E-03	5.16E-03	5.31E-03	5.96E-03	6.46E-03	7.23E-03	9.26E-03	9.48E-03	0.00E+00	1.83E-03	2.96E-03	1.67E-03	0.00E+00		
Michigan	Iosco County	26069	R	Acrylonitrile	6.85E-07	1.67E-04	1.87E-04	2.14E-04	3.83E-04	3.37E-04	4.95E-04	2.04E-03	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Iosco County	26069	R	Arsenic Compounds	1.43E-06	3.14E-06	3.88E-06	5.32E-06	6.76E-06	8.81E-06	1.46E-05	1.58E-05	0.00E+00	6.94E-07	4.97E-06	1.10E-			

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts						Contribution to Average from ...						
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Iosco County	26069	R	Chromium Compounds (includes Hexavalent)	9.66E-07	1.85E-06	2.22E-06	3.04E-06	3.84E-06	4.90E-06	8.35E-06	8.97E-06	0.00E+00	6.20E-07	2.97E-06	2.58E-07	0.00E+00
Michigan	Iosco County	26069	R	Chromium VI	3.39E-07	7.92E-07	9.35E-07	1.38E-06	1.61E-06	1.99E-06	3.46E-06	3.65E-06	0.00E+00	3.56E-07	1.17E-06	8.78E-08	0.00E+00
Michigan	Iosco County	26069	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	1,4-Dichlorobenzene	3.37E-04	2.16E-03	2.81E-03	3.55E-03	6.39E-03	1.04E-02	1.55E-02	1.81E-02	0.00E+00	6.39E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	1,3-Dichloropropene	6.07E-04	4.20E-03	5.51E-03	6.86E-03	1.28E-02	2.11E-02	3.13E-02	3.69E-02	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.07E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Iosco County	26069	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	0.00E+00	4.55E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Iosco County	26069	R	Ethylene Oxide	3.31E-05	2.12E-04	2.77E-04	3.43E-04	6.26E-04	1.02E-03	1.51E-03	1.78E-03	0.00E+00	6.26E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Formaldehyde	2.69E-01	2.84E-01	2.85E-01	2.89E-01	2.96E-01	3.05E-01	3.24E-01	3.39E-01	0.00E+00	5.53E-03	2.38E-02	1.70E-02	2.50E-01
Michigan	Iosco County	26069	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.33E-05	9.34E-05	9.38E-05	9.39E-05	0.00E+00	2.67E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Iosco County	26069	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.25E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Iosco County	26069	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	6.53E-12	8.01E-12	9.22E-12	2.04E-11	3.13E-11	0.00E+00	8.01E-12	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Lead Compounds	2.09E-05	2.13E-05	2.45E-05	4.80E-05	1.62E-04	1.93E-04	4.30E-04	8.48E-04	0.00E+00	9.54E-06	0.00E+00	1.53E-04	0.00E+00
Michigan	Iosco County	26069	R	Manganese Compounds	1.08E-06	3.46E-06	3.84E-06	4.43E-06	5.40E-06	7.58E-06	9.19E-06	1.01E-05	0.00E+00	4.21E-06	9.52E-07	2.37E-07	0.00E+00
Michigan	Iosco County	26069	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	0.00E+00	3.87E-06	5.72E-06	8.27E-07	1.50E-03
Michigan	Iosco County	26069	R	Methylene Chloride	1.51E-01	1.54E-01	1.55E-01	1.61E-01	1.66E-01	1.73E-01	1.92E-01	2.00E-01	0.00E+00	1.62E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Iosco County	26069	R	Nickel Compounds	1.41E-05	1.06E-04	1.38E-04	2.76E-04	7.50E-04	1.75E-04	1.25E-03	5.34E-03	0.00E+00	7.45E-04	2.26E-06	2.23E-06	0.00E+00
Michigan	Iosco County	26069	R	Perchloroethylene	1.40E-01	1.42E-01	1.43E-01	1.51E-01	1.50E-01	1.56E-01	1.61E-01	1.62E-01	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Iosco County	26069	R	Polychlorinated Biphenyls	3.82E-04	3.85E-04	3.87E-04	3.95E-04	4.13E-04	4.30E-04	4.86E-04	4.86E-04	0.00E+00	3.32E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Iosco County	26069	R	Polycyclic Organic Matter	9.52E-04	8.57E-03	9.16E-03	1.14E-02	1.33E-02	1.90E-02	2.42E-02	2.48E-02	0.00E+00	1.19E-02	1.16E-03	2.02E-04	0.00E+00
Michigan	Iosco County	26069	R	7-PAH	5.12E-05	4.41E-04	4.88E-04	5.90E-04	6.52E-04	9.18E-04	1.01E-03	1.13E-03	0.00E+00	6.37E-04	8.67E-06	6.26E-06	0.00E+00
Michigan	Iosco County	26069	R	Propylene Dichloride	2.04E-08	9.99E-06	1.11E-05	1.23E-05	2.28E-05	1.99E-05	1.23E-04	2.89E-05	0.00E+00	2.28E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	1.36E-10	1.58E-10	2.02E-10	4.65E-10	4.86E-10	0.00E+00	1.58E-10	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	1,1,2,2-Tetrachloroethane	3.19E-09	9.01E-05	9.52E-05	1.11E-04	2.06E-04	1.78E-04	2.55E-04	1.13E-03	0.00E+00	2.06E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Iosco County	26069	R	Trichloroethylene	8.10E-02	8.14E-02	8.15E-02	8.17E-02	8.24E-02	8.38E-02	8.45E-02	8.50E-02	0.00E+00	1.42E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Iosco County	26069	R	Vinyl Chloride	3.91E-06	2.22E-04	2.42E-04	2.82E-04	5.11E-04	4.42E-04	6.31E-04	2.78E-03	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Acetaldehyde	1.12E-02	1.12E-02	1.47E-02	2.68E-02	2.54E-02	3.71E-02	3.74E-02	3.74E-02	1.56E-03	2.46E-03	1.64E-02	5.06E-03	0.00E+00
Michigan	Iron County	26071	R	Acrolein	6.69E-03	6.69E-03	7.07E-03	1.01E-02	9.21E-03	1.06E-02	1.16E-02	1.16E-02	0.00E+00	4.14E-03	2.76E-03	2.11E-03	0.00E+00
Michigan	Iron County	26071	R	Acrylonitrile	1.72E-04	1.72E-04	3.17E-04	3.70E-04	3.94E-04	5.27E-04	5.83E-04	5.83E-04	0.00E+00	3.94E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Arsenic Compounds	3.56E-06	3.56E-06	8.51E-06	1.03E-05	1.13E-05	1.58E-05	1.82E-05	1.82E-05	1.07E-06	5.50E-06	3.72E-06	9.85E-07	0.00E+00
Michigan	Iron County	26071	R	Benzene	5.28E-01	5.28E-01	5.48E-01	5.77E-01	5.88E-01	6.02E-01	6.86E-01	6.86E-01	3.62E-01	5.25E-02	3.46E-02	2.12E-02	4.80E-01
Michigan	Iron County	26071	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Beryllium Compounds	9.37E-08	9.37E-08	1.32E-07	2.02E-07	2.56E-07	2.57E-07	5.97E-07	5.97E-07	9.39E-11	2.56E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	1,3-Butadiene	2.29E-03	2.29E-03	2.39E-03	4.79E-03	5.08E-03	5.65E-03	1.03E-02	1.03E-02	0.00E+00	1.06E-03	2.48E-03	1.54E-03	0.00E+00
Michigan	Iron County	26071	R	Cadmium Compounds	1.78E-06	1.78E-06	3.51E-06	1.01E-05	8.52E-06	1.16E-05	1.56E-05	1.56E-05	1.68E-08	8.51E-06	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.73E-02	4.73E-02	4.73E-02	4.77E-02	4.77E-02	1.23E-04	1.81E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Iron County	26071	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	1.76E-04	3.86E-05	0.00E+00	0.00E+00	8.80E-01
Michigan	Iron County	26071	R	Chloroform	8.31E-02	8.31E-02	8.32E-02	8.36E-02	8.43E-02	8.36E-02	8.79E-02	8.79E-02	9.07E-04	3.81E-04	0.00E+00	0.00E+00	8.30E-02
Michigan	Iron County	26071	R	Chromium Compounds (includes Hexavalent)	5.13E-06	5.13E-06	1.63E-05	1.68E-05	1.98E-05	2.79E-05	3.30E-05	3.30E-05	2.07E-07	1.72E-05	2.17E-06	2.15E-07	0.00E+00
Michigan	Iron County	26071	R	Chromium VI	2.15E-06	2.15E-06	4.77E-06	8.09E-06	7.89E-06	1.17E-05	1.28E-05	1.28E-05	1.45E-07	6.82E-06	8.59E-07	7.31E-08	0.00E+00
Michigan	Iron County	26071	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	1,4-Dichlorobenzene	1.34E-03	1.34E-03	1.82E-03	2.89E-03	4.20E-03	5.01E-03	9.92E-03	9.92E-03	0.00E+00	4.20E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	1,3-Dichloropropene	2.56E-03	2.56E-03	3.84E-03	5.85E-03	5.85E-03	1.03E-02	2.03E-02	2.03E-02	0.00E+00	8.58E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.15E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Iron County	26071	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	1.57E-05	5.11E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Iron County	26071	R	Ethylene Oxide	1.41E-04	1.41E-04	2.06E-04	3.27E-04	4.52E-04	5.31E-04	1.05E-03	1.05E-03	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Formaldehyde	2.78E-01	2.78E-01	2.81E-01	3.01E-01	2.98E-01	3.11E-01	3.19E-01	3.19E-01	2.85E-04	1.58E-02	1.67E-02	1.53E-02	2.50E-01
Michigan	Iron County	26071	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.32E-05	9.33E-05	9.37E-05	9.37E-05	0.00E+00	2.46E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Iron County	26071	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.02E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Iron County	26071	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	5.25E-11	4.84E-11	5.65E-11	1.33E-10	1.33E-10	0.00E+00	4.84E-11	0.00E+00	0.00E+00	0.00E+00
Michigan	Iron County	26071	R	Lead Compounds	5.08E-05	5.08E-05	5.37E-05	6.09E-05	6.77E-05	8.12E-05	8.12E-05	8.12E-05	2.69E-07	4.63E-05	0.00E+00	1.63E-05	0.00E+00
Michigan	Iron County	26071	R	Manganese Compounds	1.18E-04	1.18E-04	3.66E-04	7.19E-04	8.17E-04	1.33E-03	1.54E-03	1.54E-03	4.37E-05	7.72E-04	6.69E-07	1.25E-07	0.00E+00
Michigan	Iron County	26071	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	2.66E-07	7.63E-06	4.32E-06	7.11E-07	1.50E-03
Michigan	Iron County	26071	R	Methylene Chloride	1.55E-01	1.55E-01	1.56E-01	1.57E-01	1.62E-01	1.62E-01	1.78E-01	1.78E-01	1.44E-05	1.16E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Iron County	26071	R	Nick													

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Jackson County	26075	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	Hydrazine	2.17E-09	3.58E-09	5.52E-09	3.51E-08	1.96E-07	8.05E-08	3.74E-07	2.43E-06	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	Lead Compounds	7.47E-04	8.79E-04	1.18E-03	2.65E-03	3.62E-03	4.55E-03	1.52E-02	8.89E-04	1.20E-03	0.00E+00	1.52E-03	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	Manganese Compounds	2.66E-04	3.21E-04	5.37E-04	8.09E-04	1.12E-03	1.14E-03	1.87E-03	3.89E-03	5.16E-04	5.94E-04	9.84E-06	7.24E-07	0.00E+00
Michigan	Jackson County	26075	R	Mercury Compounds	1.55E-03	1.55E-03	1.57E-03	1.69E-03	1.82E-03	1.88E-03	2.37E-03	2.50E-03	2.30E-04	4.98E-05	3.82E-05	5.04E-06	1.50E-03
Michigan	Jackson County	26075	R	Methylene Chloride	1.80E-01	1.91E-01	2.04E-01	2.80E-01	4.11E-01	4.48E-01	9.96E-01	1.40E+00	3.05E-03	2.58E-01	0.00E+00	0.00E+00	1.50E-01
Michigan	Jackson County	26075	R	Nickel Compounds	1.15E-04	1.35E-04	1.84E-04	5.13E-04	7.21E-04	1.04E-03	1.82E-03	1.98E-03	1.09E-04	5.88E-04	2.27E-05	1.26E-06	0.00E+00
Michigan	Jackson County	26075	R	Perchloroethylene	1.60E-01	1.63E-01	1.72E-01	2.43E-01	2.50E-01	2.98E-01	3.34E-01	3.53E-01	4.21E-07	1.10E-01	0.00E+00	0.00E+00	1.40E-01
Michigan	Jackson County	26075	R	Polychlorinated Biphenyls	4.01E-04	4.08E-04	4.37E-04	4.85E-04	4.92E-04	5.46E-04	5.65E-04	6.28E-04	0.00E+00	1.12E-04	0.00E+00	0.00E+00	3.80E-04
Michigan	Jackson County	26075	R	Polycyclic Organic Matter	1.84E-02	2.31E-02	2.95E-02	5.15E-02	5.20E-02	7.16E-02	8.68E-02	1.14E-01	4.69E-05	3.90E-02	1.16E-02	1.27E-03	0.00E+00
Michigan	Jackson County	26075	R	7-PAH	7.10E-04	7.58E-04	8.90E-04	1.12E-03	1.08E-03	1.21E-03	1.42E-03	1.65E-03	2.01E-08	9.86E-04	7.82E-05	1.39E-05	0.00E+00
Michigan	Jackson County	26075	R	Propylene Dichloride	3.48E-05	4.23E-05	5.32E-05	1.08E-04	5.45E-04	2.64E-04	4.83E-04	1.88E-03	5.87E-09	5.45E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	Quinoline	3.25E-08	6.74E-08	9.19E-08	2.24E-07	6.43E-07	4.47E-07	1.10E-06	6.42E-06	0.00E+00	6.43E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	1,1,2,2-Tetrachloroethane	3.07E-04	3.73E-04	4.73E-04	9.60E-04	4.91E-03	2.20E-03	4.36E-03	1.71E-02	4.96E-16	4.91E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Jackson County	26075	R	Trichloroethylene	8.33E-02	8.42E-02	8.50E-02	9.09E-02	1.05E-01	1.10E-01	1.32E-01	1.92E-01	3.15E-11	2.40E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Jackson County	26075	R	Vinyl Chloride	1.20E-03	1.50E-03	1.82E-03	4.22E-03	1.56E-02	1.05E-02	2.08E-02	4.85E-02	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Acetaldehyde	1.33E-01	1.81E-01	2.83E-01	4.04E-01	5.19E-01	5.80E-01	1.06E+00	1.18E+00	1.24E-02	3.81E-03	4.44E-01	5.82E-02	0.00E+00
Michigan	Kalamazoo County	26077	U	Acrolein	2.42E-02	2.86E-02	3.70E-02	6.20E-02	6.01E-02	7.42E-02	9.29E-02	9.71E-02	1.40E-04	5.67E-03	4.67E-02	7.62E-03	0.00E+00
Michigan	Kalamazoo County	26077	U	Acrylonitrile	6.35E-04	7.96E-04	1.05E-03	1.65E-03	2.35E-03	2.91E-03	4.81E-03	6.89E-03	1.25E-06	2.35E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Arsenic Compounds	3.21E-05	4.80E-05	6.74E-05	1.20E-04	2.48E-04	1.97E-04	3.53E-04	4.98E-04	1.79E-04	1.05E-05	4.79E-05	1.11E-05	0.00E+00
Michigan	Kalamazoo County	26077	U	Benzene	7.55E-01	8.02E-01	9.59E-01	1.34E+00	1.43E+00	1.65E+00	2.29E+00	2.65E+00	9.36E-03	1.21E-01	7.23E-01	1.01E-01	4.80E-01
Michigan	Kalamazoo County	26077	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Beryllium Compounds	2.96E-06	4.06E-06	6.39E-06	1.08E-05	3.14E-05	2.29E-05	4.58E-05	6.03E-05	2.56E-05	4.76E-06	0.00E+00	1.08E-06	0.00E+00
Michigan	Kalamazoo County	26077	U	1,3-Butadiene	1.04E-02	1.30E-02	2.73E-02	5.25E-02	7.10E-02	8.01E-02	1.62E-01	2.10E-01	3.37E-05	1.74E-04	6.00E-02	1.08E-02	0.00E+00
Michigan	Kalamazoo County	26077	U	Cadmium Compounds	3.05E-05	4.55E-05	8.08E-05	1.59E-04	7.06E-04	3.97E-04	1.14E-03	1.79E-03	2.13E-05	6.83E-04	0.00E+00	1.08E-06	0.00E+00
Michigan	Kalamazoo County	26077	U	Carbon Disulfide	4.76E-02	4.77E-02	4.83E-02	4.94E-02	5.03E-02	5.16E-02	5.42E-02	5.54E-02	1.27E-04	3.18E-03	0.00E+00	0.00E+00	4.70E-02
Michigan	Kalamazoo County	26077	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	1.06E-04	6.12E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Kalamazoo County	26077	U	Chloroform	8.97E-02	9.26E-02	1.01E-01	1.14E-01	1.14E-01	1.25E-01	1.37E-01	1.41E-01	6.97E-04	3.05E-02	0.00E+00	0.00E+00	8.30E-02
Michigan	Kalamazoo County	26077	U	Chromium Compounds (includes Hexavalent)	7.48E-05	9.23E-05	1.53E-04	2.46E-04	6.37E-04	4.97E-04	8.31E-04	1.19E-03	5.53E-04	4.23E-05	4.03E-05	1.54E-06	0.00E+00
Michigan	Kalamazoo County	26077	U	Chromium VI	2.85E-05	3.77E-05	5.86E-05	9.25E-05	1.61E-04	1.59E-04	2.52E-04	2.93E-04	1.14E-04	3.01E-05	1.61E-05	5.25E-07	0.00E+00
Michigan	Kalamazoo County	26077	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	1,4-Dichlorobenzene	1.52E-02	1.86E-02	3.23E-02	5.98E-02	5.73E-02	7.57E-02	9.92E-02	1.06E-01	1.14E-07	5.73E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	1,3-Dichloropropene	2.93E-02	3.62E-02	6.40E-02	1.20E-01	1.15E-01	1.52E-01	2.01E-01	2.15E-01	0.00E+00	1.15E-01	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	4.41E-07	1.66E-06	0.00E+00	0.00E+00	7.70E-03
Michigan	Kalamazoo County	26077	U	Ethylene Dichloride	6.18E-02	6.20E-02	6.23E-02	6.26E-02	6.29E-02	6.31E-02	6.45E-02	6.45E-02	1.29E-03	6.42E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Kalamazoo County	26077	U	Ethylene Oxide	1.55E-03	1.89E-03	3.50E-03	6.06E-03	6.44E-03	7.88E-03	1.08E-02	1.66E-02	1.63E-07	6.44E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Formaldehyde	5.00E-01	5.35E-01	5.81E-01	7.54E-01	8.16E-01	8.85E-01	1.29E+00	1.38E+00	9.69E-02	8.30E-03	3.61E-01	1.00E-01	2.50E-01
Michigan	Kalamazoo County	26077	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.36E-05	9.39E-05	9.39E-05	9.41E-05	9.43E-05	9.49E-05	0.00E+00	8.69E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Kalamazoo County	26077	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.01E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Kalamazoo County	26077	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Hydrazine	6.27E-09	8.76E-09	2.57E-08	5.70E-08	1.40E-07	1.53E-07	5.15E-07	5.66E-07	2.10E-09	1.38E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Lead Compounds	4.53E-04	6.20E-04	7.88E-04	1.21E-03	2.19E-03	2.09E-03	3.80E-03	9.42E-03	2.41E-04	3.59E-04	0.00E+00	1.59E-03	0.00E+00
Michigan	Kalamazoo County	26077	U	Manganese Compounds	2.25E-04	3.09E-04	4.33E-04	6.20E-04	1.26E-03	1.26E-03	2.60E-03	3.02E-03	5.57E-04	6.94E-04	1.31E-05	1.21E-06	0.00E+00
Michigan	Kalamazoo County	26077	U	Mercury Compounds	1.53E-03	1.54E-03	1.56E-03	1.59E-03	1.63E-03	1.65E-03	1.73E-03	1.91E-03	2.20E-05	4.78E-05	4.72E-05	9.96E-06	1.50E-03
Michigan	Kalamazoo County	26077	U	Methylene Chloride	3.93E-01	4.60E-01	5.98E-01	7.16E-01	9.56E-01	8.80E-01	1.30E+00	2.42E+00	6.35E-01	1.70E-01	0.00E+00	0.00E+00	1.50E-01
Michigan	Kalamazoo County	26077	U	Nickel Compounds	3.36E-04	5.62E-04	9.78E-04	1.95E-03	8.91E-03	4.39E-03	1.03E-02	1.71E-02	8.83E-03	5.05E-05	2.99E-05	2.14E-06	0.00E+00
Michigan	Kalamazoo County	26077	U	Perchloroethylene	1.72E-01	1.87E-01	2.26E-01	3.13E-01	4.03E-01	5.55E-01	7.49E-01	9.10E-01	4.30E-05	2.63E-01	0.00E+00	0.00E+00	1.40E-01
Michigan	Kalamazoo County	26077	U	Polychlorinated Biphenyls	4.08E-04	4.15E-04	4.44E-04	4.73E-04	4.77E-04	5.06E-04	5.24E-04	5.93E-04	8.98E-10	9.67E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Kalamazoo County	26077	U	Polycyclic Organic Matter	2.06E-02	2.41E-02	3.43E-02	6.18E-02	6.01E-02	8.38E-02	9.26E-02	9.65E-02	1.45E-03	4.05E-02	1.55E-02	2.65E-03	0.00E+00
Michigan	Kalamazoo County	26077	U	7-PAH	5.15E-04	5.51E-04	6.69E-04	8.66E-04	8.87E-04	1.04E-03	1.19E-03	1.48E-03	2.74E-07	7.61E-04	1.03E-04	2.26E-05	0.00E+00
Michigan	Kalamazoo County	26077	U	Propylene Dichloride	3.94E-05	4.94E-05	6.54E-05	1.00E-04	1.42E-04	1.68E-04	3.00E-04	4.22E-04	7.54E-08	1.42E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Quinoline	5.47E-08	7.59E-08	1.50E-07	3.13E-07	5.03E-07	5.88E-07	1.47E-06	1.65E-06	0.00E+00	5.03E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	1,1,2,2-Tetrachloroethane	3.37E-04	4.25E-04	5.41E-04	8.28E-04	1.22E-03	1.45E-03	3.67E-03	6.91E-07	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalamazoo County	26077	U	Trichloroethylene	8.75E-02	8.95E-02	9.38E-02	1.02E-01	1.06E-01	1.13E-01	1.29E-01	1.33E-01	1.14E-05	2.53E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Kalamazoo County	26077	U	Vinyl Chloride	1.61E-03	1.94E-03	3.99E-03	5.88E-03	7.63E-03	1.07E-02	1.60E-02	1.85E-02	1.70E-06	7.63E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Acetaldehyde	4.21E-02	4.21E-02	4.23E-02	5.65E-02	5.80E-02	7.38E-02	7.71E-02	7.71E-02					

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts							Contribution to Average from ...					
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Kalkaska County	26079	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	4.73E-02	4.73E-02	2.17E-08	1.81E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Kalkaska County	26079	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	3.28E-05	0.00E+00	0.00E+00	8.80E-01
Michigan	Kalkaska County	26079	R	Chloroform	8.39E-02	8.39E-02	8.41E-02	8.45E-02	8.45E-02	8.45E-02	8.49E-02	8.49E-02	0.00E+00	1.48E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Kalkaska County	26079	R	Chromium Compounds (includes Hexavalent)	9.14E-06	9.14E-06	1.07E-05	1.78E-05	3.35E-05	5.64E-05	8.94E-05	8.94E-05	7.15E-08	2.99E-05	3.33E-06	2.72E-07	0.00E+00
Michigan	Kalkaska County	26079	R	Chromium VI	3.60E-06	3.60E-06	4.09E-06	6.93E-06	1.25E-05	2.10E-05	3.27E-05	3.27E-05	2.71E-08	1.11E-05	1.32E-06	9.24E-08	0.00E+00
Michigan	Kalkaska County	26079	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	1,4-Dichlorobenzene	3.45E-03	3.45E-03	3.74E-03	5.37E-03	5.43E-03	7.12E-03	7.53E-03	7.53E-03	0.00E+00	5.43E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	1,3-Dichloropropene	6.50E-03	6.50E-03	7.02E-03	1.02E-02	1.04E-02	1.37E-02	1.45E-02	1.45E-02	0.00E+00	1.04E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.42E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Kalkaska County	26079	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.67E-09	5.38E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Kalkaska County	26079	R	Ethylene Oxide	3.55E-04	3.55E-04	3.95E-04	5.92E-04	5.87E-04	7.78E-04	8.08E-04	8.08E-04	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Formaldehyde	3.15E-01	3.15E-01	3.21E-01	3.39E-01	3.39E-01	3.58E-01	3.66E-01	3.66E-01	6.00E-03	2.02E-02	3.77E-02	2.56E-02	2.50E-01
Michigan	Kalkaska County	26079	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.33E-05	9.33E-05	9.34E-05	9.35E-05	9.35E-05	0.00E+00	2.71E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Kalkaska County	26079	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.83E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Kalkaska County	26079	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Hydrazine	5.54E-11	5.54E-11	6.33E-11	8.41E-11	9.43E-11	1.25E-10	1.53E-10	1.53E-10	0.00E+00	9.43E-11	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Lead Compounds	8.97E-05	8.97E-05	1.01E-04	1.28E-04	1.38E-04	1.75E-04	2.06E-04	2.06E-04	1.62E-07	1.39E-05	0.00E+00	1.24E-04	0.00E+00
Michigan	Kalkaska County	26079	R	Manganese Compounds	1.48E-04	1.48E-04	1.83E-04	2.74E-04	3.42E-04	5.01E-04	6.73E-04	6.73E-04	3.04E-06	3.38E-04	1.03E-06	1.67E-07	0.00E+00
Michigan	Kalkaska County	26079	R	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.54E-03	1.55E-03	1.58E-03	1.58E-03	1.96E-09	2.82E-05	6.55E-06	6.96E-07	1.50E-03
Michigan	Kalkaska County	26079	R	Methylene Chloride	1.58E-01	1.58E-01	1.58E-01	1.63E-01	1.64E-01	1.69E-01	1.70E-01	1.70E-01	1.76E-05	1.35E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Kalkaska County	26079	R	Nickel Compounds	8.66E-05	8.66E-05	1.15E-04	2.01E-04	4.44E-04	7.73E-04	1.29E-03	1.29E-03	4.04E-08	4.41E-04	2.48E-06	1.02E-06	0.00E+00
Michigan	Kalkaska County	26079	R	Perchloroethylene	1.45E-01	1.45E-01	1.45E-01	1.47E-01	1.47E-01	1.49E-01	1.50E-01	1.50E-01	6.40E-09	7.07E-03	0.00E+00	0.00E+00	1.40E-01
Michigan	Kalkaska County	26079	R	Polychlorinated Biphenyls	3.90E-04	3.90E-04	3.92E-04	4.07E-04	4.09E-04	4.26E-04	4.31E-04	4.31E-04	0.00E+00	2.90E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Kalkaska County	26079	R	Polycyclic Organic Matter	7.75E-03	7.75E-03	8.27E-03	1.11E-02	1.11E-02	1.40E-02	1.46E-02	1.46E-02	4.07E-09	9.59E-03	1.28E-03	2.60E-04	0.00E+00
Michigan	Kalkaska County	26079	R	7-PAH	3.94E-04	3.94E-04	4.26E-04	5.93E-04	5.78E-04	7.31E-04	7.33E-04	7.33E-04	6.79E-11	5.61E-04	9.77E-06	7.44E-06	0.00E+00
Michigan	Kalkaska County	26079	R	Propylene Dichloride	1.50E-05	1.50E-05	1.89E-05	2.74E-05	2.62E-05	3.36E-05	3.53E-05	3.53E-05	0.00E+00	2.26E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Quinoline	2.30E-09	2.30E-09	2.44E-09	3.05E-09	3.22E-09	4.00E-09	4.47E-09	4.47E-09	0.00E+00	3.22E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	1,1,2,2-Tetrachloroethane	1.34E-04	1.34E-04	1.81E-04	2.70E-04	2.59E-04	3.38E-04	3.63E-04	3.63E-04	0.00E+00	2.59E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kalkaska County	26079	R	Trichloroethylene	8.21E-02	8.21E-02	8.25E-02	8.32E-02	8.32E-02	8.39E-02	8.41E-02	8.41E-02	0.00E+00	2.17E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Kalkaska County	26079	R	Vinyl Chloride	3.76E-04	3.76E-04	4.72E-04	6.74E-04	6.58E-04	8.45E-04	9.10E-04	9.10E-04	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Acetaldehyde	1.63E-01	1.93E-01	2.92E-01	4.05E-01	4.87E-01	5.67E-01	9.24E-01	1.05E+00	3.76E-03	1.18E-02	4.02E-01	6.94E-02	0.00E+00
Michigan	Kent County	26081	U	Acrolein	2.73E-02	3.41E-02	4.81E-02	6.55E-02	6.45E-02	7.88E-02	9.26E-02	9.98E-02	4.96E-06	6.29E-03	4.89E-02	9.31E-03	0.00E+00
Michigan	Kent County	26081	U	Acrylonitrile	1.53E-03	1.60E-03	1.91E-03	2.31E-03	2.98E-03	2.80E-03	4.04E-03	5.91E-03	1.49E-03	1.49E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Arsenic Compounds	2.65E-05	3.32E-05	5.17E-05	7.30E-05	8.03E-05	9.78E-05	1.37E-04	1.70E-04	4.14E-06	1.28E-05	4.87E-05	1.46E-05	0.00E+00
Michigan	Kent County	26081	U	Benzene	7.62E-01	8.34E-01	1.00E+00	1.26E+00	1.38E+00	1.53E+00	2.21E+00	2.52E+00	3.89E-03	7.01E-02	6.96E-01	1.30E-01	4.80E-01
Michigan	Kent County	26081	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Beryllium Compounds	2.37E-06	2.80E-06	3.71E-06	4.82E-06	5.66E-06	6.37E-06	9.36E-06	1.06E-05	2.08E-07	5.21E-06	0.00E+00	2.44E-07	0.00E+00
Michigan	Kent County	26081	U	1,3-Butadiene	1.15E-02	1.46E-02	2.82E-02	4.86E-02	6.76E-02	1.54E-01	1.88E-01	1.88E-01	0.00E+00	3.10E-04	5.36E-02	1.37E-02	0.00E+00
Michigan	Kent County	26081	U	Cadmium Compounds	4.24E-06	4.93E-06	6.97E-06	8.96E-06	1.04E-05	1.25E-05	1.62E-05	2.07E-05	1.72E-06	8.46E-06	0.00E+00	2.43E-07	0.00E+00
Michigan	Kent County	26081	U	Carbon Disulfide	4.86E-02	4.92E-02	5.15E-02	5.36E-02	5.92E-02	5.78E-02	7.34E-02	9.40E-02	2.28E-04	1.19E-02	0.00E+00	0.00E+00	4.70E-02
Michigan	Kent County	26081	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.80E-01	8.81E-01	8.82E-01	4.58E-05	7.02E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Kent County	26081	U	Chloroform	8.91E-02	9.10E-02	9.73E-02	1.05E-01	1.07E-01	1.11E-01	1.22E-01	1.29E-01	2.46E-04	2.40E-02	0.00E+00	0.00E+00	8.30E-02
Michigan	Kent County	26081	U	Chromium Compounds (includes Hexavalent)	2.13E-04	2.77E-04	5.77E-04	9.32E-04	1.54E-03	1.29E-03	2.40E-03	3.28E-03	4.24E-04	1.07E-03	4.22E-05	1.90E-06	0.00E+00
Michigan	Kent County	26081	U	Chromium VI	5.93E-05	8.50E-05	1.61E-04	2.78E-04	4.49E-04	3.72E-04	6.25E-04	8.65E-04	1.45E-04	2.86E-04	1.69E-05	6.46E-07	0.00E+00
Michigan	Kent County	26081	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	1,4-Dichlorobenzene	1.80E-02	2.39E-02	4.34E-02	6.55E-02	6.60E-02	8.03E-02	1.11E-01	1.27E-01	1.37E-04	6.59E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	1,3-Dichloropropene	3.40E-02	4.62E-02	8.47E-02	1.31E-01	1.32E-01	1.62E-01	2.25E-01	2.54E-01	0.00E+00	1.32E-01	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	8.53E-07	3.20E-06	0.00E+00	0.00E+00	7.70E-03
Michigan	Kent County	26081	U	Ethylene Dichloride	6.12E-02	6.13E-02	6.14E-02	6.15E-02	6.18E-02	6.16E-02	6.20E-02	6.26E-02	1.85E-04	5.71E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Kent County	26081	U	Ethylene Oxide	1.98E-03	2.55E-03	4.61E-03	7.48E-03	8.41E-03	1.04E-02	1.49E-02	1.71E-02	0.00E+00	8.41E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Formaldehyde	3.93E-01	4.33E-01	5.28E-01	6.71E-01	7.26E-01	8.23E-01	1.13E+00	1.28E+00	7.92E-04	1.18E-02	3.45E-01	1.19E-01	2.50E-01
Michigan	Kent County	26081	U	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.33E-05	0.00E+00	1.80E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Kent County	26081	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	2.29E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Kent County	26081	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Hydrazine	2.74E-08	4.31E-08	1.51E-07	3.39E-07	9.02E-07	7.32E-07	2.17E-06	3.46E-06	1.26E-10	9.02E-07	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Lead Compounds	8.08E-04	9.90E-04	1.46E-03	1.94E-03	3.32E-03	2.57E-03	3.85E-03	6.08E-03	2.82E-05	2.68E-03	0.00E+00	6.14E-04	0.00E+

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts							Contribution to Average from ...					
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Kent County	26081	U	Propylene Dichloride	9.14E-05	1.02E-04	1.24E-04	1.54E-04	1.91E-04	1.88E-04	2.84E-04	3.60E-04	9.00E-05	1.01E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Quinoline	3.15E-07	4.45E-07	1.04E-06	1.69E-06	3.11E-06	2.90E-06	6.99E-06	9.77E-06	0.00E+00	3.11E-06	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	1,1,2,2-Tetrachloroethane	8.06E-04	8.47E-04	9.91E-04	1.13E-03	1.53E-03	1.41E-03	2.18E-03	3.24E-03	8.25E-04	7.01E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Kent County	26081	U	Trichloroethylene	9.05E-02	9.47E-02	1.06E-01	1.21E-01	1.53E-01	1.46E-01	2.03E-01	2.32E-01	3.95E-02	3.21E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Kent County	26081	U	Vinyl Chloride	2.49E-03	3.03E-03	3.76E-03	4.77E-03	8.34E-03	6.29E-03	1.04E-02	1.64E-02	2.03E-03	6.31E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Acetaldehyde	2.76E-02	2.76E-02	2.76E-02	3.41E-02	4.12E-02	6.18E-02	6.18E-02	6.18E-02	0.00E+00	3.31E-04	8.99E-04	3.99E-02	0.00E+00
Michigan	Keweenaw County	26083	R	Acrolein	3.55E-03	3.55E-03	3.55E-03	5.35E-03	7.19E-03	1.27E-02	1.27E-02	1.27E-02	0.00E+00	5.01E-04	1.66E-04	6.53E-03	0.00E+00
Michigan	Keweenaw County	26083	R	Acrylonitrile	0.00E+00	0.00E+00	0.00E+00	1.86E-05	7.85E-05	2.17E-04	2.17E-04	2.17E-04	0.00E+00	7.85E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Arsenic Compounds	5.33E-07	5.33E-07	5.33E-07	8.80E-07	1.30E-06	2.49E-06	2.49E-06	2.49E-06	0.00E+00	5.86E-08	1.53E-07	1.09E-06	0.00E+00
Michigan	Keweenaw County	26083	R	Benzene	5.27E-01	5.27E-01	5.27E-01	5.62E-01	5.79E-01	6.48E-01	6.48E-01	6.48E-01	0.00E+00	3.71E-03	1.67E-03	9.37E-02	4.80E-01
Michigan	Keweenaw County	26083	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Beryllium Compounds	4.68E-10	4.68E-10	4.68E-10	2.40E-09	1.63E-08	4.59E-08	4.59E-08	4.59E-08	0.00E+00	1.53E-08	0.00E+00	9.70E-10	0.00E+00
Michigan	Keweenaw County	26083	R	1,3-Butadiene	2.85E-03	2.85E-03	2.85E-03	3.12E-03	5.52E-03	1.06E-02	1.06E-02	1.06E-02	0.00E+00	1.51E-04	8.85E-05	5.28E-03	0.00E+00
Michigan	Keweenaw County	26083	R	Cadmium Compounds	6.52E-09	6.52E-09	6.52E-09	1.68E-08	7.90E-08	2.14E-07	2.14E-07	2.14E-07	0.00E+00	6.55E-08	0.00E+00	1.35E-08	0.00E+00
Michigan	Keweenaw County	26083	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.70E-02	0.00E+00	1.54E-05	0.00E+00	0.00E+00	4.70E-02
Michigan	Keweenaw County	26083	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.40E-06	0.00E+00	0.00E+00	8.80E-01
Michigan	Keweenaw County	26083	R	Chloroform	8.30E-02	8.30E-02	8.30E-02	8.30E-02	8.31E-02	8.31E-02	8.31E-02	8.31E-02	0.00E+00	2.26E-05	0.00E+00	0.00E+00	8.30E-02
Michigan	Keweenaw County	26083	R	Chromium Compounds (includes Hexavalent)	4.24E-07	4.24E-07	4.24E-07	6.58E-07	9.98E-07	1.91E-06	1.91E-06	1.91E-06	0.00E+00	8.26E-08	8.88E-08	8.27E-07	0.00E+00
Michigan	Keweenaw County	26083	R	Chromium VI	1.44E-07	1.44E-07	1.44E-07	2.24E-07	3.58E-07	7.05E-07	7.05E-07	7.05E-07	0.00E+00	4.43E-08	3.23E-08	2.81E-07	0.00E+00
Michigan	Keweenaw County	26083	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	1,4-Dichlorobenzene	0.00E+00	0.00E+00	0.00E+00	2.29E-05	2.32E-04	6.74E-04	6.74E-04	6.74E-04	0.00E+00	2.32E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	1,3-Dichloropropene	0.00E+00	0.00E+00	0.00E+00	3.88E-05	4.41E-04	1.28E-03	1.28E-03	1.28E-03	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	4.38E-08	0.00E+00	0.00E+00	7.70E-03
Michigan	Keweenaw County	26083	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	9.48E-06	0.00E+00	0.00E+00	6.10E-02
Michigan	Keweenaw County	26083	R	Ethylene Oxide	0.00E+00	0.00E+00	0.00E+00	2.08E-06	2.31E-05	6.72E-05	6.72E-05	6.72E-05	0.00E+00	2.31E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Formaldehyde	2.74E-01	2.74E-01	2.74E-01	2.94E-01	3.10E-01	3.61E-01	3.61E-01	3.61E-01	0.00E+00	1.98E-03	8.53E-04	5.69E-02	2.50E-01
Michigan	Keweenaw County	26083	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	0.00E+00	8.97E-09	0.00E+00	0.00E+00	9.30E-05
Michigan	Keweenaw County	26083	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.29E-10	0.00E+00	0.00E+00	1.80E-03
Michigan	Keweenaw County	26083	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-12	2.42E-11	2.42E-11	2.42E-11	0.00E+00	8.05E-12	0.00E+00	0.00E+00	0.00E+00
Michigan	Keweenaw County	26083	R	Lead Compounds	1.71E-06	1.71E-06	1.71E-06	2.56E-06	5.48E-06	1.22E-05	1.22E-05	1.22E-05	0.00E+00	6.68E-07	0.00E+00	4.81E-06	0.00E+00
Michigan	Keweenaw County	26083	R	Manganese Compounds	1.96E-07	1.96E-07	1.96E-07	3.51E-07	5.38E-06	1.56E-05	1.56E-05	1.56E-05	0.00E+00	4.95E-06	2.71E-08	3.98E-07	0.00E+00
Michigan	Keweenaw County	26083	R	Mercury Compounds	1.												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Lake County	26085	R	Formaldehyde	2.99E-01	2.99E-01	2.99E-01	3.04E-01	3.04E-01	3.09E-01	3.09E-01	3.09E-01	6.07E-05	1.23E-02	1.74E-02	2.46E-02	2.50E-01		
Michigan	Lake County	26085	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.32E-05	0.00E+00	1.34E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Lake County	26085	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.98E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Lake County	26085	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lake County	26085	R	Hydrazine	5.58E-11	5.58E-11	5.58E-11	6.67E-11	6.67E-11	7.76E-11	7.76E-11	7.76E-11	0.00E+00	6.67E-11	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lake County	26085	R	Lead Compounds	2.13E-05	2.13E-05	2.13E-05	2.32E-05	2.32E-05	2.51E-05	2.51E-05	2.51E-05	1.05E-06	1.01E-05	0.00E+00	1.20E-05	0.00E+00		
Michigan	Lake County	26085	R	Manganese Compounds	2.12E-05	2.12E-05	2.12E-05	2.29E-05	2.29E-05	2.46E-05	2.46E-05	2.46E-05	1.45E-08	2.22E-05	5.37E-07	1.22E-07	0.00E+00		
Michigan	Lake County	26085	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	9.46E-10	1.66E-06	3.41E-06	6.27E-07	1.50E-03		
Michigan	Lake County	26085	R	Methylene Chloride	1.57E-01	1.57E-01	1.57E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	1.58E-01	6.89E-06	7.64E-03	0.00E+00	0.00E+00	1.50E-01		
Michigan	Lake County	26085	R	Nickel Compounds	6.24E-06	6.24E-06	6.24E-06	8.49E-06	8.49E-06	1.07E-05	1.07E-05	1.07E-05	1.39E-09	6.96E-06	1.29E-06	2.31E-07	0.00E+00		
Michigan	Lake County	26085	R	Perchloroethylene	1.45E-01	1.45E-01	1.45E-01	1.47E-01	1.47E-01	1.50E-01	1.50E-01	1.50E-01	8.61E-06	7.48E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Lake County	26085	R	Polychlorinated Biphenyls	3.86E-04	3.86E-04	3.86E-04	3.96E-04	3.96E-04	4.06E-04	4.06E-04	4.06E-04	0.00E+00	1.60E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Lake County	26085	R	Polycyclic Organic Matter	7.30E-03	7.30E-03	7.30E-03	7.98E-03	7.98E-03	8.67E-03	8.67E-03	8.67E-03	1.43E-04	7.02E-03	6.74E-04	1.51E-04	0.00E+00		
Michigan	Lake County	26085	R	7-PAH	4.12E-04	4.12E-04	4.12E-04	4.45E-04	4.45E-04	4.79E-04	4.79E-04	4.79E-04	6.79E-09	4.33E-04	5.02E-06	7.02E-06	0.00E+00		
Michigan	Lake County	26085	R	Propylene Dichloride	1.79E-05	1.79E-05	1.79E-05	3.05E-05	3.05E-05	4.32E-05	4.32E-05	4.32E-05	0.00E+00	3.05E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lake County	26085	R	Quinoline	1.66E-09	1.66E-09	1.66E-09	1.80E-09	1.80E-09	1.95E-09	1.95E-09	1.95E-09	0.00E+00	1.80E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lake County	26085	R	1,1,2,2-Tetrachloroethane	1.59E-04	1.59E-04	1.59E-04	2.76E-04	2.76E-04	3.94E-04	3.94E-04	3.94E-04	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lake County	26085	R	Trichloroethylene	8.18E-02	8.18E-02	8.18E-02	8.27E-02	8.27E-02	8.27E-02	8.27E-02	8.27E-02	3.44E-06	1.23E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Lake County	26085	R	Vinyl Chloride	4.12E-04	4.12E-04	4.12E-04	7.00E-04	7.00E-04	9.87E-04	9.87E-04	9.87E-04	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lapeer County	26087	U	Acetaldehyde	1.38E-01	1.48E-01	2.22E-01	3.18E-01	3.14E-01	3.48E-01	4.83E-01	5.14E-01	2.99E-03	5.65E-03	2.86E-01	1.97E-02	0.00E+00		
Michigan	Lapeer County	26087	U	Acrolein	1.88E-02	1.99E-02	3.01E-02	3.62E-02	3.58E-02	4.21E-02	4.84E-02	5.07E-02	2.91E-07	2.66E-03	2.88E-02	4.33E-03	0.00E+00		
Michigan	Lapeer County	26087	U	Acrylonitrile	8.52E-04	9.43E-04	1.27E-03	1.50E-03	1.59E-03	1.57E-03	1.79E-03	2.81E-03	7.80E-04	8.14E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lapeer County	26087	U	Arsenic Compounds	2.27E-05	2.86E-05	3.77E-05	5.19E-05	5.20E-05	6.69E-05	7.51E-05	7.72E-05	1.63E-05	5.87E-06	2.44E-05	5.45E-06	0.00E+00		
Michigan	Lapeer County	26087	U	Benzene	7.21E-01	7.26E-01	8.15E-01	9.10E-01	9.31E-01	1.04E+00	1.16E+00	1.18E+00	2.80E-03	1.16E-01	2.89E-01	4.32E-02	4.80E-01		
Michigan	Lapeer County	26087	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Lapeer County	26087	U	Beryllium Compounds	9.45E-07	1.12E-06	2.21E-06	2.77E-06	2.76E-06	3.20E-06	4.05E-06	5.31E-06	1.26E-07	2.12E-06	0.00E+00	5.12E-07	0.00E+00		
Michigan	Lapeer County	26087	U	1,3-Butadiene	5.15E-03	5.53E-03	7.48E-03	9.43E-03	1.43E-02	1.89E-02	3.17E-02	3.28E-02	0.00E+00	2.05E-04	1.15E-02	2.61E-03	0.00E+00		
Michigan	Lapeer County	26087	U	Cadmium Compounds	3.39E-06	4.35E-06	6.77E-06	8.57E-06	8.67E-06	1.06E-05	1.28E-05	1.28E-05	1.65E-06	6.49E-06	0.00E+00	5.19E-07	0.00E+00		
Michigan	Lapeer County	26087	U	Carbon Disulfide	4.74E-02	4.75E-02	4.77E-02	4.80E-02	4.81E-02	4.82E-02	4.90E-02	4.92E-02	1.03E-04	9.72E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Lapeer County	26087	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	1.43E-06	1.83E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Lapeer County	26087	U	Chloroform	8.48E-02	8.58E-02	8.75E-02	8.96E-02	8.94E-02	9.13E-02	9.26E-02	9.32E-02	8.40E-06	6.37E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Lapeer County	26087	U	Chromium Compounds (includes Hexavalent)	4.33E-05	4.83E-05	7.20E-05	1.19E-04	1.19E-04	1.59E-04	1.85E-04	2.18E-04	5.89E-05	4.23E-05	1.71E-05	6.46E-07	0.00E+00		
Michigan	Lapeer County	26087	U	Chromium VI	2.44E-05	3.06E-05	3.												

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts						Contribution to Average from ...						
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Leelanau County	26089	R	Beryllium Compounds	1.17E-08	1.17E-08	1.77E-07	2.27E-07	3.11E-07	4.54E-07	8.48E-07	8.48E-07	2.16E-09	3.05E-07	0.00E+00	4.07E-09	0.00E+00
Michigan	Leelanau County	26089	R	1,3-Butadiene	1.95E-03	1.95E-03	3.35E-03	5.46E-03	5.25E-03	7.16E-03	7.72E-03	7.72E-03	0.00E+00	1.38E-04	1.89E-03	3.22E-03	0.00E+00
Michigan	Leelanau County	26089	R	Cadmium Compounds	4.13E-08	4.13E-08	4.50E-07	6.66E-07	2.89E-06	5.90E-06	9.86E-06	9.86E-06	4.93E-09	2.83E-06	0.00E+00	5.69E-08	0.00E+00
Michigan	Leelanau County	26089	R	Carbon Disulfide	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	1.50E-08	1.39E-04	0.00E+00	0.00E+00	4.70E-02
Michigan	Leelanau County	26089	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	2.01E-05	0.00E+00	0.00E+00	8.80E-01
Michigan	Leelanau County	26089	R	Chloroform	8.31E-02	8.31E-02	8.40E-02	8.46E-02	8.51E-02	8.61E-02	8.90E-02	8.90E-02	0.00E+00	2.10E-03	0.00E+00	0.00E+00	8.30E-02
Michigan	Leelanau County	26089	R	Chromium Compounds (includes Hexavalent)	4.94E-07	4.94E-07	2.94E-06	3.15E-06	2.70E-04	5.98E-04	1.28E-03	1.28E-03	2.66E-04	9.14E-07	2.27E-06	6.56E-07	0.00E+00
Michigan	Leelanau County	26089	R	Chromium VI	1.76E-07	1.76E-07	1.17E-06	1.29E-06	2.30E-05	5.00E-05	1.03E-04	1.03E-04	2.13E-05	5.05E-07	9.06E-07	2.23E-07	0.00E+00
Michigan	Leelanau County	26089	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	1,4-Dichlorobenzene	2.12E-04	2.12E-04	2.99E-03	4.16E-03	5.53E-03	8.31E-03	1.51E-02	1.51E-02	0.00E+00	5.53E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	1,3-Dichloropropene	3.78E-04	3.78E-04	5.52E-03	7.74E-03	1.07E-02	1.60E-02	2.98E-02	2.98E-02	0.00E+00	1.07E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.50E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Leelanau County	26089	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	4.60E-09	6.50E-05	0.00E+00	0.00E+00	6.10E-02
Michigan	Leelanau County	26089	R	Ethylene Oxide	2.26E-05	2.26E-05	3.22E-04	4.51E-04	6.49E-04	9.51E-04	1.90E-03	1.90E-03	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Formaldehyde	2.64E-01	2.64E-01	3.04E-01	3.17E-01	3.18E-01	3.52E-01	3.54E-01	3.54E-01	6.13E-08	4.00E-03	2.55E-02	3.80E-02	2.50E-01
Michigan	Leelanau County	26089	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.33E-05	9.32E-05	9.40E-05	9.40E-05	0.00E+00	2.67E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Leelanau County	26089	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.14E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Leelanau County	26089	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-12	1.68E-16	2.20E-11	2.20E-11	0.00E+00	3.14E-12	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Lead Compounds	1.49E-06	1.49E-06	6.94E-05	1.25E-04	1.82E-04	3.13E-04	5.13E-04	3.89E-08	9.11E-06	0.00E+00	1.73E-04	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Manganese Compounds	4.08E-07	4.08E-07	3.66E-06	5.88E-06	1.30E-03	2.86E-03	6.19E-03	6.19E-03	1.24E-03	5.41E-05	7.00E-07	7.18E-07	0.00E+00
Michigan	Leelanau County	26089	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	3.82E-10	4.36E-06	4.38E-06	1.28E-06	1.50E-03
Michigan	Leelanau County	26089	R	Methylene Chloride	1.51E-01	1.51E-01	1.58E-01	1.61E-01	1.63E-01	1.67E-01	1.84E-01	1.84E-01	3.03E-08	1.32E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Leelanau County	26089	R	Nickel Compounds	3.69E-06	3.69E-06	1.17E-05	1.44E-05	2.71E-05	5.34E-05	7.55E-05	7.55E-05	2.48E-08	1.23E-05	1.71E-06	1.30E-05	0.00E+00
Michigan	Leelanau County	26089	R	Perchloroethylene	1.41E-01	1.41E-01	1.46E-01	1.53E-01	1.61E-01	1.87E-01	2.02E-01	2.02E-01	4.50E-09	2.14E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Leelanau County	26089	R	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.92E-04	3.97E-04	4.08E-04	4.86E-04	4.86E-04	4.86E-04	0.00E+00	2.77E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Leelanau County	26089	R	Polycyclic Organic Matter	6.82E-04	6.82E-04	5.81E-03	8.30E-03	9.82E-03	1.48E-02	2.19E-02	2.19E-02	2.72E-09	8.47E-03	8.88E-04	4.55E-04	0.00E+00
Michigan	Leelanau County	26089	R	7-PAH	3.93E-05	3.93E-05	2.65E-04	4.00E-04	4.66E-04	6.34E-04	1.06E-03	1.06E-03	4.61E-11	4.43E-04	6.67E-06	1.63E-05	0.00E+00
Michigan	Leelanau County	26089	R	Propylene Dichloride	1.02E-06	1.02E-06	1.37E-05	2.35E-05	3.24E-05	5.67E-05	8.48E-05	8.48E-05	0.00E+00	3.24E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-10	5.71E-15	7.06E-10	7.06E-10	0.00E+00	1.01E-10	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	1,1,2,2-Tetrachloroethane	8.81E-06	8.81E-06	1.32E-04	2.26E-04	3.24E-04	5.40E-04	9.09E-04	9.09E-04	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Leelanau County	26089	R	Trichloroethylene	8.10E-02	8.10E-02	8.19E-02	8.27E-02	8.28E-02	8.34E-02	8.54E-02	8.54E-02	0.00E+00	1.77E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Leelanau County	26089	R	Vinyl Chloride	2.71E-05</												

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Luce County	26095	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	5.34E-08	0.00E+00	0.00E+00	7.70E-03		
Michigan	Luce County	26095	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	0.00E+00	1.60E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Luce County	26095	R	Ethylene Oxide	0.00E+00	0.00E+00	0.00E+00	1.98E-04	1.34E-04	2.03E-04	2.03E-04	2.03E-04	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	Formaldehyde	2.60E-01	2.60E-01	2.60E-01	3.45E-01	3.20E-01	3.56E-01	3.56E-01	3.56E-01	1.13E-02	1.31E-02	5.95E-03	4.00E-02	2.50E-01		
Michigan	Luce County	26095	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	0.00E+00	5.96E-08	0.00E+00	0.00E+00	9.30E-05		
Michigan	Luce County	26095	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.62E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Luce County	26095	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	Lead Compounds	1.34E-06	1.34E-06	1.34E-06	4.03E-05	5.21E-05	1.15E-04	1.15E-04	1.15E-04	0.00E+00	7.26E-06	0.00E+00	4.48E-05	0.00E+00		
Michigan	Luce County	26095	R	Manganese Compounds	3.25E-07	3.25E-07	3.25E-07	1.33E-05	1.04E-05	1.76E-05	1.76E-05	1.76E-05	2.11E-10	9.98E-06	1.95E-07	2.28E-07	0.00E+00		
Michigan	Luce County	26095	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.68E-07	2.87E-06	1.33E-06	3.64E-07	1.50E-03		
Michigan	Luce County	26095	R	Methylene Chloride	1.50E-01	1.50E-01	1.50E-01	1.54E-01	1.53E-01	1.55E-01	1.55E-01	1.55E-01	0.00E+00	2.87E-03	0.00E+00	0.00E+00	1.50E-01		
Michigan	Luce County	26095	R	Nickel Compounds	6.32E-06	6.32E-06	6.32E-06	3.47E-05	2.89E-05	4.58E-05	4.58E-05	4.58E-05	1.03E-10	2.58E-05	5.00E-07	2.67E-06	0.00E+00		
Michigan	Luce County	26095	R	Perchloroethylene	1.40E-01	1.40E-01	1.40E-01	1.43E-01	1.42E-01	1.44E-01	1.44E-01	1.44E-01	0.00E+00	2.45E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Luce County	26095	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.80E-04	3.90E-04	3.87E-04	3.90E-04	3.90E-04	3.90E-04	0.00E+00	6.87E-06	0.00E+00	0.00E+00	3.80E-04		
Michigan	Luce County	26095	R	Polycyclic Organic Matter	1.27E-04	1.27E-04	1.27E-04	4.37E-03	2.99E-03	4.47E-03	4.47E-03	4.47E-03	9.71E-05	2.47E-03	2.54E-04	1.64E-04	0.00E+00		
Michigan	Luce County	26095	R	7-PAH	9.39E-06	9.39E-06	9.39E-06	3.35E-04	2.34E-04	3.58E-04	3.58E-04	3.58E-04	1.27E-07	2.20E-04	1.87E-06	1.24E-05	0.00E+00		
Michigan	Luce County	26095	R	Propylene Dichloride	3.17E-07	3.17E-07	3.17E-07	3.37E-06	5.84E-06	1.38E-05	1.38E-05	1.38E-05	0.00E+00	5.84E-06	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	1,1,2,2-Tetrachloroethane	2.90E-06	2.90E-06	2.90E-06	3.00E-05	5.29E-05	1.26E-04	1.26E-04	1.26E-04	0.00E+00	5.29E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Luce County	26095	R	Trichloroethylene	8.10E-02	8.10E-02	8.10E-02	8.14E-02	8.14E-02	8.16E-02	8.16E-02	8.16E-02	0.00E+00	3.55E-04	0.00E+00	0.00E+00	8.10E-02		
Michigan	Luce County	26095	R	Vinyl Chloride	7.15E-06	7.15E-06	7.15E-06	1.57E-04	1.86E-04	3.95E-04	3.95E-04	3.95E-04	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Mackinac County	26097	R	Acetaldehyde	1.99E-02	1.99E-02	5.25E-02	8.62E-02	8.14E-02	1.15E-01	1.28E-01	1.28E-01	2.27E-05	1.58E-03	3.15E-02	4.83E-02	0.00E+00		
Michigan	Mackinac County	26097	R	Acrolein	5.07E-03	5.07E-03	7.44E-03	9.91E-03	1.06E-02	1.47E-02	1.65E-02	1.65E-02	3.66E-06	2.27E-03	4.51E-03	3.80E-03	0.00E+00		
Michigan	Mackinac County	26097	R	Acrylonitrile	1.27E-04	1.27E-04	1.29E-04	1.92E-04	3.23E-04	2.38E-04	1.06E-03	1.06E-03	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Mackinac County	26097	R	Arsenic Compounds	1.31E-06	1.31E-06	4.33E-06	7.70E-06	8.13E-06	1.32E-05	1.46E-05	1.46E-05	3.23E-08	1.01E-06	5.35E-06	1.74E-06	0.00E+00		
Michigan	Mackinac County	26097	R	Benzene	5.24E-01	5.24E-01	5.75E-01	5.94E-01	6.14E-01	6.99E-01	6.99E-01	6.99E-01	2.07E-07	2.85E-02	4.97E-02	5.59E-02	4.80E-01		
Michigan	Mackinac County	26097	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Mackinac County	26097	R	Beryllium Compounds	3.92E-08	3.92E-08	6.34E-08	1.05E-07	1.15E-07	2.25E-07	2.25E-07	2.25E-07	7.59E-10	1.02E-07	0.00E+00	1.22E-08	0.00E+00		
Michigan	Mackinac County	26097	R	1,3-Butadiene	2.23E-03	2.23E-03	2.79E-03	4.68E-03	6.31E-03	1.09E-02	1.25E-02	1.25E-02	0.00E+00	5.51E-04	2.92E-03	2.83E-03	0.00E+00		
Michigan	Mackinac County	26097	R	Cadmium Compounds	5.75E-07	5.75E-07	6.42E-07	8.48E-07	1.00E-06	1.18E-06	1.90E-06	1.90E-06	3.53E-09	8.26E-07	0.00E+00	1.70E-07	0.00E+00		
Michigan	Mackinac County	26097	R	Carbon Disulfide	4.70E-02	4.70E-02	4.70E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	6.42E-11	7.38E-05	0.00E+00	0.00E+00	4.70E-02		
Michigan	Mackinac County	26097	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.36E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Mackinac County	260																	

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																		
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts							Contribution to Average from ...						
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background	
Michigan	Macomb County	26099	U	Arsenic Compounds	7.98E-05	8.68E-05	9.67E-05	1.10E-04	1.50E-04	1.32E-04	2.02E-04	2.60E-04	2.36E-05	4.74E-05	6.42E-05	1.49E-05	0.00E+00	
Michigan	Macomb County	26099	U	Benzene	1.14E+00	1.24E+00	1.38E+00	1.64E+00	1.88E+00	1.99E+00	2.89E+00	3.65E+00	1.14E-02	1.24E-01	1.11E+00	1.63E-01	4.80E-01	
Michigan	Macomb County	26099	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Beryllium Compounds	6.66E-06	6.87E-06	7.59E-06	8.36E-06	9.54E-06	9.57E-06	1.11E-05	1.31E-05	1.75E-06	7.58E-06	0.00E+00	2.16E-07	0.00E+00	
Michigan	Macomb County	26099	U	1,3-Butadiene	1.99E-02	2.55E-02	3.22E-02	5.17E-02	8.11E-02	7.64E-02	1.76E-01	2.76E-01	2.69E-05	1.10E-04	6.73E-02	1.37E-02	0.00E+00	
Michigan	Macomb County	26099	U	Cadmium Compounds	4.78E-05	6.86E-05	8.36E-05	1.33E-04	3.01E-04	2.12E-04	5.30E-04	6.90E-04	8.34E-06	2.92E-04	0.00E+00	4.40E-07	0.00E+00	
Michigan	Macomb County	26099	U	Carbon Disulfide	4.90E-02	4.95E-02	5.01E-02	5.11E-02	5.17E-02	5.22E-02	5.41E-02	5.65E-02	6.29E-04	4.10E-03	0.00E+00	0.00E+00	4.70E-02	
Michigan	Macomb County	26099	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	6.88E-06	7.13E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Macomb County	26099	U	Chloroform	9.49E-02	1.01E-01	1.08E-01	1.13E-01	1.12E-01	1.18E-01	1.20E-01	1.22E-01	4.18E-05	2.90E-02	0.00E+00	0.00E+00	8.30E-02	
Michigan	Macomb County	26099	U	Chromium Compounds (includes Hexavalent)	3.23E-04	4.10E-04	5.19E-04	6.24E-04	7.44E-04	8.04E-04	1.02E-03	1.13E-03	5.73E-05	6.26E-04	5.79E-05	3.01E-06	0.00E+00	
Michigan	Macomb County	26099	U	Chromium VI	1.07E-04	1.26E-04	1.59E-04	2.02E-04	2.46E-04	2.83E-04	3.84E-04	4.81E-04	1.74E-05	2.04E-04	2.31E-05	1.02E-06	0.00E+00	
Michigan	Macomb County	26099	U	Coke Oven Emissions	0.00E+00	8.84E-03	1.11E-02	1.45E-02	1.44E-02	1.82E-02	2.21E-02	2.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	1,4-Dichlorobenzene	4.12E-02	6.51E-02	8.47E-02	9.96E-02	9.83E-02	1.18E-01	1.32E-01	1.37E-01	3.45E-04	9.79E-02	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	1,3-Dichloropropene	7.51E-02	1.25E-01	1.64E-01	1.94E-01	1.91E-01	2.32E-01	2.61E-01	2.72E-01	0.00E+00	1.91E-01	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	7.71E-03	2.14E-06	1.79E-06	0.00E+00	0.00E+00	7.70E-03	
Michigan	Macomb County	26099	U	Ethylene Dichloride	6.14E-02	6.14E-02	6.15E-02	6.15E-02	6.17E-02	6.17E-02	6.19E-02	6.21E-02	4.55E-04	2.49E-04	0.00E+00	0.00E+00	6.10E-02	
Michigan	Macomb County	26099	U	Ethylene Oxide	4.23E-03	6.64E-03	8.88E-03	1.05E-02	1.04E-02	1.27E-02	1.46E-02	1.20E-06	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Formaldehyde	6.49E-01	7.21E-01	7.65E-01	8.61E-01	9.97E-01	1.01E+00	1.50E+00	1.93E+00	5.38E-02	1.61E-02	5.40E-01	1.38E-01	2.50E-01	
Michigan	Macomb County	26099	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	0.00E+00	2.77E-08	0.00E+00	0.00E+00	9.30E-05	
Michigan	Macomb County	26099	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	3.59E-07	0.00E+00	0.00E+00	1.80E-03	
Michigan	Macomb County	26099	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Hydrazine	1.25E-08	1.88E-08	3.19E-08	5.34E-08	1.30E-07	9.58E-08	2.98E-07	4.88E-07	0.00E+00	1.30E-07	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Lead Compounds	1.24E-03	1.37E-03	1.60E-03	1.83E-03	2.18E-03	2.20E-03	3.93E-03	1.91E-04	8.18E-04	0.00E+00	1.17E-03	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Manganese Compounds	3.09E-04	8.81E-04	1.12E-03	1.39E-03	1.45E-03	1.71E-03	2.01E-03	2.35E-03	9.99E-04	4.30E-04	1.85E-05	3.78E-06	0.00E+00	
Michigan	Macomb County	26099	U	Mercury Compounds	1.60E-03	1.62E-03	1.65E-03	1.69E-03	1.70E-03	1.74E-03	1.81E-03	1.83E-03	1.80E-05	1.11E-04	6.04E-05	1.27E-05	1.50E-03	
Michigan	Macomb County	26099	U	Methylene Chloride	2.33E-01	2.65E-01	3.17E-01	3.56E-01	3.55E-01	3.97E-01	4.32E-01	4.55E-01	1.34E-02	1.92E-01	0.00E+00	0.00E+00	1.50E-01	
Michigan	Macomb County	26099	U	Nickel Compounds	7.12E-04	9.44E-04	1.32E-03	1.74E-03	2.16E-03	2.49E-03	3.37E-03	4.03E-03	1.13E-04	1.95E-03	4.28E-05	5.02E-05	0.00E+00	
Michigan	Macomb County	26099	U	Perchloroethylene	2.63E-01	3.15E-01	3.82E-01	4.46E-01	4.50E-01	5.19E-01	5.87E-01	6.09E-01	5.14E-02	2.58E-01	0.00E+00	0.00E+00	1.40E-01	
Michigan	Macomb County	26099	U	Polychlorinated Biphenyls	3.81E-04	3.81E-04	3.81E-04	3.81E-04	3.82E-04	3.84E-04	3.85E-04	3.85E-04	3.35E-09	1.90E-06	0.00E+00	0.00E+00	3.80E-04	
Michigan	Macomb County	26099	U	Polycyclic Organic Matter	5.05E-02	6.30E-02	7.42E-02	8.79E-02	9.20E-02	1.08E-01	1.26E-01	1.40E-01	1.84E-04	6.76E-02	2.10E-02	3.21E-03	0.00E+00	
Michigan	Macomb County	26099	U	7-PAH	5.68E-04	5.82E-04	6.11E-04	6.79E-04	8.37E-04	8.37E-04	1.14E-03	1.81E-03	8.64E-07	6.64E-04	1.37E-04	3.54E-05	0.00E+00	
Michigan	Macomb County	26099	U	Propylene Dichloride	1.48E-04	1.53E-04	1.64E-04	1.96E-04	2.89E-04	2.89E-04	4.06E-04	4.90E-04	2.27E-04	6.20E-05	0.00E+00	0.00E+00	0.00E+00	
Michigan	Macomb County	26099	U	Quinoline	1.84E-07													

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Manistee County	26101	R	Methylene Chloride	1.51E-01	1.53E-01	1.57E-01	1.62E-01	1.76E-01	1.68E-01	2.40E-01	2.55E-01	4.07E-04	2.57E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Manistee County	26101	R	Nickel Compounds	5.39E-06	6.00E-06	7.95E-06	1.41E-05	3.29E-05	3.81E-05	1.06E-04	1.12E-04	3.56E-08	2.67E-05	3.06E-06	3.07E-06	0.00E+00		
Michigan	Manistee County	26101	R	Perchloroethylene	1.42E-01	1.44E-01	1.47E-01	1.53E-01	1.58E-01	1.65E-01	1.82E-01	1.83E-01	5.09E-04	1.72E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Manistee County	26101	R	Polychlorinated Biphenyls	3.82E-04	3.83E-04	3.85E-04	3.96E-04	4.28E-04	4.13E-04	5.65E-04	5.71E-04	0.00E+00	4.82E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Manistee County	26101	R	Polycyclic Organic Matter	9.35E-04	3.14E-03	5.78E-03	7.38E-03	1.17E-02	9.07E-03	3.28E-02	3.53E-02	2.56E-05	9.73E-03	1.64E-03	2.69E-04	0.00E+00		
Michigan	Manistee County	26101	R	7-PAH	4.59E-05	1.62E-04	2.80E-04	3.49E-04	4.60E-04	3.74E-04	1.13E-03	1.18E-03	4.55E-07	4.41E-04	1.17E-05	7.10E-06	0.00E+00		
Michigan	Manistee County	26101	R	Propylene Dichloride	8.02E-06	1.17E-05	1.67E-05	2.52E-05	3.71E-05	3.19E-05	9.92E-05	1.66E-04	0.00E+00	3.71E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Manistee County	26101	R	Quinoline	7.82E-09	9.70E-09	1.68E-08	5.39E-08	3.37E-07	2.93E-07	1.41E-06	1.69E-06	0.00E+00	3.37E-07	0.00E+00	0.00E+00	0.00E+00		
Michigan	Manistee County	26101	R	1,1,2,2-Tetrachloroethane	7.32E-05	8.34E-05	9.80E-05	1.57E-04	3.08E-04	2.87E-04	9.06E-04	1.52E-03	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Manistee County	26101	R	Trichloroethylene	8.12E-02	8.17E-02	8.25E-02	8.27E-02	8.43E-02	8.44E-02	9.06E-02	9.28E-02	2.04E-04	3.09E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Manistee County	26101	R	Vinyl Chloride	1.90E-04	3.00E-04	4.52E-04	7.70E-04	1.03E-03	1.02E-03	2.69E-03	3.77E-03	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	Acetaldehyde	1.85E-02	1.91E-02	3.59E-02	7.19E-02	9.83E-02	1.66E-01	2.18E-01	2.47E-01	4.73E-03	2.53E-03	6.74E-02	2.83E-02	0.00E+00		
Michigan	Marquette County	26103	R	Acrolein	5.45E-03	6.62E-03	8.49E-03	1.48E-02	1.59E-02	2.35E-02	2.87E-02	2.90E-02	1.88E-05	5.48E-03	8.71E-03	1.68E-03	0.00E+00		
Michigan	Marquette County	26103	R	Acrylonitrile	1.23E-04	1.43E-04	1.71E-04	2.81E-04	5.72E-04	6.77E-04	1.75E-03	2.06E-03	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	Arsenic Compounds	2.05E-06	3.76E-06	5.41E-06	1.37E-05	2.11E-05	3.47E-05	5.13E-05	5.26E-05	3.54E-07	3.35E-06	1.46E-05	2.80E-06	0.00E+00		
Michigan	Marquette County	26103	R	Benzene	5.25E-01	5.34E-01	5.82E-01	7.46E-01	7.95E-01	9.52E-01	1.19E+00	1.32E+00	1.13E-02	9.12E-02	1.83E-01	2.93E-02	4.80E-01		
Michigan	Marquette County	26103	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	Beryllium Compounds	1.36E-07	1.66E-07	2.74E-07	8.49E-07	1.59E-06	1.63E-06	4.07E-06	4.76E-06	1.47E-08	1.58E-06	0.00E+00	4.59E-10	0.00E+00		
Michigan	Marquette County	26103	R	1,3-Butadiene	1.68E-03	1.83E-03	3.70E-03	1.44E-02	2.22E-02	3.90E-02	6.21E-02	6.31E-02	0.00E+00	9.78E-04	1.87E-02	2.50E-03	0.00E+00		
Michigan	Marquette County	26103	R	Cadmium Compounds	2.97E-07	5.51E-07	7.24E-07	1.53E-06	2.49E-06	2.94E-06	5.78E-06	7.03E-06	4.31E-08	2.44E-06	0.00E+00	6.40E-09	0.00E+00		
Michigan	Marquette County	26103	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.73E-02	4.78E-02	4.84E-02	4.91E-02	5.06E-02	8.99E-06	8.11E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Marquette County	26103	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	5.38E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Marquette County	26103	R	Carbonoform	8.34E-02	8.35E-02	8.44E-02	8.67E-02	8.91E-02	9.21E-02	9.93E-02	9.94E-02	4.04E-06	6.08E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Marquette County	26103	R	Chromium Compounds (includes Hexavalent)	1.33E-06	2.40E-06	4.45E-06	1.00E-05	1.41E-05	2.08E-05	3.36E-05	3.57E-05	4.66E-07	2.78E-06	1.05E-05	3.45E-07	0.00E+00		
Michigan	Marquette County	26103	R	Chromium VI	4.92E-07	8.97E-07	1.70E-06	3.92E-06	5.84E-06	8.45E-06	1.39E-05	1.50E-05	8.12E-08	1.40E-06	4.24E-06	1.17E-07	0.00E+00		
Michigan	Marquette County	26103	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	1,4-Dichlorobenzene	1.20E-03	1.97E-03	4.85E-03	1.52E-02	2.54E-02	3.76E-02	7.01E-02	7.32E-02	0.00E+00	2.54E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	1,3-Dichloropropene	2.25E-03	3.63E-03	9.49E-03	3.07E-02	5.16E-02	7.65E-02	1.43E-01	1.49E-01	0.00E+00	5.16E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.26E-08	4.54E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Marquette County	26103	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.13E-02	2.77E-06	8.13E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Marquette County	26103	R	Ethylene Oxide	1.23E-04	2.02E-04	5.09E-04	1.56E-03	3.20E-03	4.51E-03	8.29E-03	1.35E-02	0.00E+00	3.20E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Marquette County	26103	R	Formaldehyde	2.77E-01	2.81E-01	2.98E-01	3.49E-01	3.78E-01	4.65E-01	5.35E-01	5.45E-01	3.39E-03	1.58E-02	8.14E-02	2.74E-02	2.50E-01		
Michigan	Marquette County	26103	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.34E-05	9.34E-05	9.36E-05	9.38E-05	9.40E-05	0.00E+00	4.43E-07	0.00E+0				

DRAFT FOR REVIEW ONLY Estimated Annual Average Ambient Concentrations µg/m3 for Michigan																	
State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts								Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Mason County	26105	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	1,4-Dichlorobenzene	6.52E-04	6.52E-04	2.23E-03	3.45E-03	9.66E-03	9.31E-03	4.27E-02	4.27E-02	0.00E+00	9.66E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	1,3-Dichloropropene	1.18E-03	1.18E-03	4.28E-03	6.78E-03	1.94E-02	1.87E-02	8.71E-02	8.71E-02	0.00E+00	1.94E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	5.24E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Mason County	26105	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.16E-02	6.16E-02	1.60E-05	1.49E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Mason County	26105	R	Ethylene Oxide	6.63E-05	6.63E-05	2.19E-04	3.43E-04	1.06E-03	9.23E-04	4.95E-03	4.95E-03	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Formaldehyde	2.64E-01	2.64E-01	2.84E-01	2.92E-01	3.13E-01	3.24E-01	4.36E-01	4.36E-01	2.90E-04	4.70E-03	3.75E-02	2.06E-02	2.50E-01
Michigan	Mason County	26105	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.34E-05	9.33E-05	9.46E-05	9.46E-05	0.00E+00	3.51E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Mason County	26105	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	5.12E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Mason County	26105	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Hydrazine	8.65E-11	8.65E-11	1.47E-10	1.71E-10	2.61E-10	3.73E-10	6.39E-10	6.39E-10	0.00E+00	2.61E-10	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Lead Compounds	1.57E-05	1.57E-05	2.98E-05	7.25E-05	1.20E-04	1.18E-04	4.47E-04	4.47E-04	1.26E-05	3.13E-05	0.00E+00	7.65E-05	0.00E+00
Michigan	Mason County	26105	R	Manganese Compounds	2.85E-05	2.85E-05	1.08E-04	1.37E-04	2.07E-03	1.11E-03	1.08E-02	1.08E-02	6.16E-06	2.06E-03	1.55E-06	3.19E-07	0.00E+00
Michigan	Mason County	26105	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.55E-03	1.55E-03	1.05E-07	2.68E-06	8.54E-06	1.37E-06	1.50E-03
Michigan	Mason County	26105	R	Methylene Chloride	1.52E-01	1.52E-01	1.55E-01	1.58E-01	1.77E-01	1.79E-01	2.67E-01	2.67E-01	3.12E-05	2.71E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Mason County	26105	R	Nickel Compounds	4.18E-06	4.18E-06	7.69E-06	1.28E-05	6.39E-05	2.08E-05	3.42E-04	3.42E-04	6.98E-09	5.65E-05	3.70E-06	3.67E-06	0.00E+00
Michigan	Mason County	26105	R	Perchloroethylene	1.41E-01	1.41E-01	1.45E-01	1.57E-01	1.56E-01	1.59E-01	1.80E-01	1.80E-01	3.89E-05	1.62E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Mason County	26105	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.87E-04	3.84E-04	4.23E-04	4.22E-04	5.81E-04	5.81E-04	0.00E+00	4.30E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Mason County	26105	R	Polycyclic Organic Matter	1.40E-03	1.40E-03	7.05E-03	8.12E-03	1.40E-02	1.60E-02	4.83E-02	4.83E-02	1.65E-06	1.19E-02	1.92E-03	2.50E-04	0.00E+00
Michigan	Mason County	26105	R	7-PAH	6.47E-05	6.47E-05	3.34E-04	4.32E-04	5.17E-04	6.08E-04	1.37E-03	1.37E-03	2.94E-08	4.97E-04	1.37E-05	6.57E-06	0.00E+00
Michigan	Mason County	26105	R	Propylene Dichloride	6.20E-06	6.20E-06	2.10E-05	2.80E-05	5.47E-05	3.08E-05	3.00E-04	3.00E-04	0.00E+00	5.47E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Quinoline	2.06E-09	2.06E-09	4.06E-09	5.04E-09	6.01E-09	8.78E-09	1.08E-08	1.08E-08	0.00E+00	6.01E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	1,1,2,2-Tetrachloroethane	5.66E-05	5.66E-05	1.91E-04	2.23E-04	4.93E-04	2.81E-04	2.75E-03	2.75E-03	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Mason County	26105	R	Trichloroethylene	8.12E-02	8.12E-02	8.16E-02	8.20E-02	8.47E-02	8.77E-02	9.54E-02	9.54E-02	1.56E-05	3.67E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Mason County	26105	R	Vinyl Chloride	1.52E-04	1.52E-04	4.89E-04	7.47E-04	1.73E-03	2.82E-03	6.79E-03	6.79E-03	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Mecosta County	26107	R	Acetaldehyde	3.92E-02	4.33E-02	4.94E-02	6.06E-02	9.56E-02	1.04E-01	1.73E-01	3.24E-01	0.00E+00	2.54E-03	8.34E-02	9.66E-03	0.00E+00
Michigan	Mecosta County	26107	R	Acrolein	6.95E-03	7.54E-03	7.94E-03	8.87E-03	1.39E-02	1.67E-02	2.39E-02	3.97E-02	0.00E+00	2.65E-03	9.49E-03	1.75E-03	0.00E+00
Michigan	Mecosta County	26107	R	Acrylonitrile	2.97E-04	3.04E-04	3.13E-04	3.59E-04	7.81E-04	5.33E-04	7.27E-04	4.92E-03	3.03E-06	7.78E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Mecosta County	26107	R	Arsenic Compounds	6.78E-06	7.12E-06	8.46E-06	1.04E-05	2.33E-05	2.52E-05	4.72E-05	1.07E-04	4.55E-11	2.00E-06	1.75E-05	3.81E-06	0.00E+00
Michigan	Mecosta County	26107	R	Benzene	5.84E-01	5.96E-01	6.10E-01	6.40E-01	8.59E-01	9.40E-01	1.42E+00	1.96E+00	7.81E-06	1.73E-01	1.80E-01	2.50E-02	4.80E-01
Michigan	Mecosta County	26107	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Mecosta County	26107	R	Beryllium Compounds	2.62E-07	2.96E-07	3.57E-07	4.20E-07	5.11E-07	6.83E-07	8.67E-07	9.62E-07	2.92E-12	5.09E-07	0.00E+00	1.94E-09	0.00E+00
Michigan	Mecosta County	26107	R	1,3-Butadiene</													

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Menominee County	26109	R	Acetaldehyde	2.54E-02	2.54E-02	3.29E-02	4.12E-02	9.56E-02	1.61E-01	2.69E-01	2.69E-01	1.01E-02	1.78E-03	6.00E-02	2.37E-02	0.00E+00		
Michigan	Menominee County	26109	R	Acrolein	5.58E-03	5.58E-03	6.17E-03	6.93E-03	1.21E-02	1.91E-02	2.68E-02	2.68E-02	3.50E-04	2.82E-03	6.44E-03	2.47E-03	0.00E+00		
Michigan	Menominee County	26109	R	Acrylonitrile	6.46E-05	6.46E-05	1.12E-04	3.43E-04	8.73E-04	1.65E-03	2.72E-03	2.72E-03	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Arsenic Compounds	6.30E-06	6.30E-06	9.67E-06	1.79E-05	6.99E-05	1.10E-04	2.78E-04	2.78E-04	1.42E-06	5.34E-05	1.16E-05	3.56E-06	0.00E+00		
Michigan	Menominee County	26109	R	Benzene	5.36E-01	5.36E-01	5.49E-01	5.71E-01	7.38E-01	9.54E-01	1.22E+00	1.22E+00	4.54E-03	9.05E-02	1.28E-01	3.49E-02	4.80E-01		
Michigan	Menominee County	26109	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Beryllium Compounds	1.38E-07	1.38E-07	7.51E-07	3.59E-06	8.81E-06	1.16E-05	3.86E-05	3.86E-05	7.67E-06	1.14E-06	0.00E+00	2.58E-09	0.00E+00		
Michigan	Menominee County	26109	R	1,3-Butadiene	2.06E-03	2.06E-03	2.19E-03	2.51E-03	1.52E-02	2.94E-02	5.15E-02	5.15E-02	0.00E+00	3.51E-04	1.26E-02	2.24E-03	0.00E+00		
Michigan	Menominee County	26109	R	Cadmium Compounds	1.47E-06	1.47E-06	3.82E-06	6.83E-06	1.77E-05	2.57E-05	6.73E-05	6.73E-05	7.81E-08	1.76E-05	0.00E+00	3.59E-08	0.00E+00		
Michigan	Menominee County	26109	R	Carbon Disulfide	4.71E-02	4.71E-02	4.74E-02	4.78E-02	4.86E-02	4.99E-02	5.19E-02	5.19E-02	2.88E-04	1.35E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Menominee County	26109	R	Carbon Tetrachloride	8.81E-01	8.81E-01	8.82E-01	8.88E-01	8.87E-01	8.91E-01	8.92E-01	8.92E-01	6.76E-03	1.76E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Menominee County	26109	R	Chloroform	8.61E-02	8.61E-02	8.87E-02	9.15E-02	9.26E-02	9.69E-02	1.01E-01	1.01E-01	7.41E-03	2.20E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Menominee County	26109	R	Chromium Compounds (includes Hexavalent)	2.06E-05	2.06E-05	5.85E-05	2.47E-04	9.43E-04	1.23E-03	4.45E-03	4.45E-03	3.87E-04	5.48E-04	7.83E-06	4.79E-07	0.00E+00		
Michigan	Menominee County	26109	R	Chromium VI	8.82E-06	8.82E-06	1.20E-05	3.52E-05	2.23E-04	3.06E-04	1.07E-03	1.07E-03	1.23E-05	2.07E-04	3.12E-06	1.63E-07	0.00E+00		
Michigan	Menominee County	26109	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	1,4-Dichlorobenzene	8.21E-04	8.21E-04	1.79E-03	2.34E-03	1.55E-02	3.07E-02	5.34E-02	5.34E-02	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	1,3-Dichloropropene	2.19E-03	2.19E-03	3.52E-03	5.60E-03	3.41E-02	6.75E-02	1.17E-01	1.17E-01	0.00E+00	3.41E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	3.17E-10	4.45E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Menominee County	26109	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.13E-02	6.24E-02	6.23E-02	6.31E-02	6.35E-02	6.35E-02	1.16E-03	1.17E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Menominee County	26109	R	Ethylene Oxide	1.24E-04	1.24E-04	1.81E-04	3.06E-04	1.68E-03	3.32E-03	5.73E-03	5.73E-03	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Formaldehyde	2.82E-01	2.82E-01	2.87E-01	2.98E-01	3.68E-01	4.59E-01	5.73E-01	5.73E-01	9.52E-03	1.58E-02	6.07E-02	3.19E-02	2.50E-01		
Michigan	Menominee County	26109	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.37E-05	9.45E-05	9.56E-05	9.56E-05	0.00E+00	7.41E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Menominee County	26109	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.04E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Menominee County	26109	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Hydrazine	9.15E-11	9.15E-11	3.56E-10	1.51E-09	7.98E-08	1.59E-07	3.16E-07	3.16E-07	0.00E+00	7.98E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Menominee County	26109	R	Lead Compounds	6.86E-05	6.86E-05	8.34E-05	1.66E-04	7.80E-04	1.66E-03	2.35E-03	2.35E-03	6.00E-07	2.78E-04	0.00E+00	5.02E-04	0.00E+00		
Michigan	Menominee County	26109	R	Manganese Compounds	6.62E-04	6.62E-04	9.00E-04	2.48E-03	1.29E-02	1.89E-02	5.78E-02	5.78E-02	4.23E-04	1.24E-02	2.50E-06	6.72E-07	0.00E+00		
Michigan	Menominee County	26109	R	Mercury Compounds	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.53E-03	1.54E-03	1.58E-03	1.58E-03	3.62E-07	9.19E-06	1.27E-05	2.90E-06	1.50E-03		
Michigan	Menominee County	26109	R	Methylene Chloride	1.54E-01	1.54E-01	1.56E-01	1.68E-01	2.09E-01	2.66E-01	3.39E-01	3.39E-01	1.00E-02	4.91E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Menominee County	26109	R	Nickel Compounds	2.61E-05	2.61E-05	7.50E-05	2.34E-04	1.07E-03	2.05E-03	3.80E-03	3.80E-03	3.66E-06	1.05E-03	5.89E-06	8.73E-06	0.00E+00		
Michigan	Menominee County	26109	R	Perchloroethylene	1.42E-01	1.42E-01	1.44E-01	1.47E-01	1.56E-01	1.71E-01	1.80E-01	1.80E-01	1.46E-03	1.43E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Menominee County	26109	R	Polychlorinated Biphenyls	3.83E-04	3.83E-04	3.84E-04	3.89E-04	4.73E-04	5.70E-04	7.17E-04	7.17E-04	0.00E+00	9.32E-05	0.00E+00	0.00E+00	3.80E-04		

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Midland County	26111	U	Lead Compounds	1.18E-04	1.34E-04	2.01E-04	3.76E-04	3.93E-04	4.62E-04	6.26E-04	1.23E-03	2.75E-05	8.39E-05	0.00E+00	2.81E-04	0.00E+00		
Michigan	Midland County	26111	U	Manganese Compounds	7.75E-05	2.07E-04	3.08E-04	4.18E-04	4.26E-04	4.72E-04	5.40E-04	1.19E-03	2.44E-04	1.77E-04	4.15E-06	5.75E-07	0.00E+00		
Michigan	Midland County	26111	U	Mercury Compounds	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.53E-03	1.55E-03	1.56E-03	1.56E-03	6.87E-07	8.71E-06	1.94E-05	4.24E-06	1.50E-03		
Michigan	Midland County	26111	U	Methylene Chloride	1.68E-01	1.69E-01	1.77E-01	2.22E-01	2.64E-01	3.31E-01	3.97E-01	6.97E-01	4.59E-02	6.78E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Midland County	26111	U	Nickel Compounds	4.27E-05	6.31E-05	2.86E-04	5.05E-04	5.33E-04	6.98E-04	9.94E-04	1.32E-03	3.34E-04	1.88E-04	9.57E-06	1.81E-06	0.00E+00		
Michigan	Midland County	26111	U	Perchloroethylene	1.53E-01	1.58E-01	1.71E-01	2.27E-01	2.57E-01	2.61E-01	3.65E-01	6.42E-02	5.29E-02	0.00E+00	0.00E+00	1.40E-01			
Michigan	Midland County	26111	U	Polychlorinated Biphenyls	3.95E-04	3.97E-04	3.99E-04	4.57E-04	4.63E-04	5.14E-04	5.65E-04	5.69E-04	0.00E+00	8.33E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Midland County	26111	U	Polycyclic Organic Matter	1.09E-02	1.13E-02	1.39E-02	2.36E-02	2.71E-02	4.01E-02	4.62E-02	5.21E-02	9.12E-05	2.13E-02	4.99E-03	7.64E-04	0.00E+00		
Michigan	Midland County	26111	U	7-PAH	4.50E-04	4.80E-04	5.30E-04	7.99E-04	8.04E-04	1.04E-03	1.25E-03	1.32E-03	1.62E-08	7.60E-04	3.50E-05	8.35E-06	0.00E+00		
Michigan	Midland County	26111	U	Propylene Dichloride	2.65E-05	3.22E-05	5.57E-05	7.02E-05	7.01E-05	8.15E-05	1.03E-04	1.25E-04	0.00E+00	7.01E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Midland County	26111	U	Quinoline	3.17E-09	5.04E-09	7.27E-09	8.99E-09	8.77E-09	1.07E-08	1.16E-08	1.24E-08	0.00E+00	8.77E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Midland County	26111	U	1,1,2,2-Tetrachloroethane	2.49E-04	2.92E-04	5.05E-04	6.34E-04	6.27E-04	7.39E-04	9.15E-04	9.15E-04	1.14E-03	0.00E+00	6.27E-04	0.00E+00	0.00E+00		
Michigan	Midland County	26111	U	Trichloroethylene	8.27E-02	8.30E-02	8.39E-02	8.78E-02	9.08E-02	9.54E-02	1.08E-01	1.10E-01	0.00E+00	9.79E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Midland County	26111	U	Vinyl Chloride	6.69E-04	8.32E-04	1.39E-03	1.77E-03	1.71E-03	1.97E-03	2.39E-03	2.94E-03	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	Acetaldehyde	3.05E-02	3.05E-02	3.23E-02	3.58E-02	3.67E-02	4.10E-02	4.46E-02	4.46E-02	2.66E-04	1.74E-03	2.76E-02	7.09E-03	0.00E+00		
Michigan	Missaukee County	26113	R	Acrolein	7.21E-03	7.21E-03	7.46E-03	8.08E-03	8.31E-03	9.17E-03	9.88E-03	9.88E-03	6.28E-05	2.38E-03	3.84E-03	2.02E-03	0.00E+00		
Michigan	Missaukee County	26113	R	Acrylonitrile	2.06E-04	2.06E-04	2.37E-04	3.68E-04	4.28E-04	6.19E-04	7.69E-04	7.69E-04	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	Arsenic Compounds	4.79E-06	4.79E-06	4.88E-06	5.93E-06	6.12E-06	7.35E-06	7.81E-06	7.81E-06	9.11E-09	5.55E-07	3.95E-06	1.61E-06	0.00E+00		
Michigan	Missaukee County	26113	R	Benzene	5.69E-01	5.69E-01	5.71E-01	5.78E-01	5.90E-01	6.10E-01	6.36E-01	6.36E-01	4.25E-06	5.11E-02	3.81E-02	2.10E-02	4.80E-01		
Michigan	Missaukee County	26113	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	Beryllium Compounds	1.85E-07	1.85E-07	1.87E-07	2.52E-07	2.53E-07	3.20E-07	3.25E-07	3.25E-07	0.00E+00	2.53E-07	0.00E+00	1.17E-13	0.00E+00		
Michigan	Missaukee County	26113	R	1,3-Butadiene	2.84E-03	2.84E-03	2.97E-03	3.69E-03	4.24E-03	5.50E-03	6.74E-03	6.74E-03	0.00E+00	5.07E-04	1.95E-03	1.78E-03	0.00E+00		
Michigan	Missaukee County	26113	R	Cadmium Compounds	7.00E-07	7.00E-07	7.45E-07	1.10E-06	1.10E-06	1.46E-06	1.50E-06	1.50E-06	2.47E-09	1.10E-06	0.00E+00	1.63E-12	0.00E+00		
Michigan	Missaukee County	26113	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.72E-02	0.00E+00	1.47E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Missaukee County	26113	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	2.85E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Missaukee County	26113	R	Chloroform	8.38E-02	8.38E-02	8.40E-02	8.43E-02	8.43E-02	8.46E-02	8.48E-02	8.48E-02	0.00E+00	1.28E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Missaukee County	26113	R	Chromium Compounds (includes Hexavalent)	2.92E-06	2.92E-06	3.22E-06	4.10E-06	4.14E-06	5.06E-06	5.45E-06	5.45E-06	1.83E-08	1.50E-06	2.38E-06	2.34E-07	0.00E+00		
Michigan	Missaukee County	26113	R	Chromium VI	1.16E-06	1.16E-06	1.31E-06	1.64E-06	1.65E-06	1.99E-06	2.16E-06	2.16E-06	1.03E-08	6.25E-07	9.37E-07	7.95E-08	0.00E+00		
Michigan	Missaukee County	26113	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	1,4-Dichlorobenzene	3.06E-03	3.06E-03	3.16E-03	4.10E-03	4.53E-03	5.90E-03	6.87E-03	6.87E-03	0.00E+00	4.53E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	1,3-Dichloropropene	5.78E-03	5.78E-03	5.92E-03	7.84E-03	8.74E-03	1.16E-02	1.35E-02	1.35E-02	0.00E+00	8.74E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Missaukee County	26113	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.66E-07	0.00E+00	0.00E+00			

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					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Monroe County	26115	U	Chloroform	9.11E-02	9.34E-02	9.37E-02	9.75E-02	9.97E-02	1.04E-01	1.15E-01	1.17E-01	7.95E-06	1.67E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Monroe County	26115	U	Chromium Compounds (includes Hexavalent)	1.34E-04	1.39E-04	1.88E-04	2.42E-04	2.27E-04	2.67E-04	2.95E-04	2.99E-04	1.09E-04	8.91E-05	2.62E-05	2.03E-06	0.00E+00		
Michigan	Monroe County	26115	U	Chromium VI	3.65E-05	3.81E-05	4.45E-05	6.34E-05	6.39E-05	7.80E-05	9.32E-05	9.96E-05	1.66E-05	3.61E-05	1.05E-05	6.90E-07	0.00E+00		
Michigan	Monroe County	26115	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	5.59E-03	3.98E-03	6.61E-03	8.67E-03	1.13E-02	3.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	1,4-Dichlorobenzene	1.56E-02	1.87E-02	2.24E-02	3.12E-02	3.70E-02	4.59E-02	7.75E-02	8.34E-02	4.28E-05	3.69E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	1,3-Dichloropropene	2.93E-02	3.58E-02	4.16E-02	5.96E-02	7.18E-02	9.14E-02	1.55E-01	1.67E-01	0.00E+00	7.18E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	3.21E-07	6.84E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Monroe County	26115	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	5.86E-05	1.35E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Monroe County	26115	U	Ethylene Oxide	1.39E-03	1.58E-03	2.30E-03	3.04E-03	3.72E-03	4.27E-03	7.81E-03	9.35E-03	1.22E-06	3.72E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Formaldehyde	4.85E-01	5.01E-01	5.47E-01	6.58E-01	6.58E-01	7.59E-01	8.22E-01	8.86E-01	9.43E-03	1.38E-02	2.71E-01	1.14E-01	2.50E-01		
Michigan	Monroe County	26115	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.33E-05	9.36E-05	9.38E-05	9.41E-05	9.45E-05	9.49E-05	0.00E+00	7.71E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Monroe County	26115	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.14E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Monroe County	26115	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Hydrazine	8.59E-10	1.06E-09	1.59E-09	4.87E-09	1.12E-08	1.22E-08	3.17E-08	7.88E-08	0.00E+00	1.12E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Lead Compounds	5.63E-04	5.70E-04	6.84E-04	9.85E-04	9.85E-04	9.82E-04	1.21E-03	1.38E-03	9.58E-05	3.31E-04	0.00E+00	5.55E-04	0.00E+00		
Michigan	Monroe County	26115	U	Manganese Compounds	4.24E-04	5.99E-04	7.92E-04	1.35E-03	1.96E-03	2.39E-03	3.74E-03	4.81E-03	1.04E-03	9.09E-04	8.14E-06	3.02E-06	0.00E+00		
Michigan	Monroe County	26115	U	Mercury Compounds	1.55E-03	1.56E-03	1.57E-03	1.60E-03	1.62E-03	1.67E-03	1.69E-03	1.72E-03	1.92E-05	5.94E-05	3.44E-05	9.76E-06	1.50E-03		
Michigan	Monroe County	26115	U	Methylene Chloride	1.85E-01	1.95E-01	2.08E-01	2.15E-01	2.24E-01	2.34E-01	2.69E-01	2.82E-01	2.80E-03	7.11E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Monroe County	26115	U	Nickel Compounds	3.15E-04	3.53E-04	5.33E-04	8.29E-04	1.24E-03	1.54E-03	2.77E-03	3.09E-03	9.65E-04	2.10E-04	1.95E-05	4.77E-05	0.00E+00		
Michigan	Monroe County	26115	U	Perchloroethylene	1.70E-01	1.73E-01	1.84E-01	1.98E-01	2.07E-01	2.31E-01	2.52E-01	2.84E-01	3.75E-03	6.28E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Monroe County	26115	U	Polychlorinated Biphenyls	4.04E-04	4.08E-04	4.17E-04	4.50E-04	4.71E-04	5.07E-04	5.65E-04	6.18E-04	6.03E-09	9.13E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Monroe County	26115	U	Polycyclic Organic Matter	3.92E-02	4.62E-02	5.16E-02	5.95E-02	6.36E-02	7.09E-02	9.46E-02	1.01E-01	1.55E-02	3.59E-02	9.70E-03	2.47E-03	0.00E+00		
Michigan	Monroe County	26115	U	7-PAH	7.54E-04	7.79E-04	9.23E-04	1.05E-03	1.18E-03	1.25E-03	1.91E-03	2.21E-03	2.05E-06	1.09E-03	6.60E-05	2.74E-05	0.00E+00		
Michigan	Monroe County	26115	U	Propylene Dichloride	4.74E-05	4.92E-05	5.67E-05	8.48E-05	9.49E-05	1.18E-04	1.46E-04	1.65E-04	2.82E-05	6.68E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Quinoline	3.24E-08	7.13E-08	1.02E-07	1.06E-04	7.60E-05	1.28E-04	1.68E-04	2.22E-04	0.00E+00	7.60E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	1,1,2,2-Tetrachloroethane	4.15E-04	4.21E-04	5.08E-04	7.68E-04	8.50E-04	1.06E-03	1.32E-03	1.49E-03	2.58E-04	5.92E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Monroe County	26115	U	Trichloroethylene	8.86E-02	8.98E-02	9.11E-02	9.39E-02	1.04E-01	1.03E-01	1.27E-01	1.43E-01	4.96E-04	2.24E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Monroe County	26115	U	Vinyl Chloride	1.05E-03	1.06E-03	1.26E-03	1.98E-03	2.12E-03	2.67E-03	3.27E-03	3.70E-03	6.36E-04	1.49E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montcalm County	26117	R	Acetaldehyde	4.94E-02	5.16E-02	6.29E-02	6.66E-02	9.55E-02	1.02E-01	2.07E-01	2.18E-01	7.44E-07	1.79E-03	8.27E-02	1.10E-02	0.00E+00		
Michigan	Montcalm County	26117	R	Acrolein	7.49E-03	8.07E-03	8.72E-03	9.17E-03	1.30E-02	1.49E-02	2.61E-02	2.79E-02	1.14E-07	1.80E-03	9.23E-03	1.99E-03	0.00E+00		
Michigan	Montcalm County	26117	R	Acrylonitrile	1.21E-04	1.89E-04	2.21E-04	5.23E-04	7.48E-04	8.90E-04	1.35E-03	3.09E-03	1.20E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montcalm County	26117	R	Arsenic Compounds	8.95E-06	1.01E-05	1.14E-05	1.21E-05	1.84E-05	1.53E-05	5.05E-05	5.16E-05	1.88E-07						

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Montcalm County	26117	R	1,1,2,2-Tetrachloroethane	6.15E-05	1.03E-04	1.21E-04	2.86E-04	3.87E-04	3.84E-04	7.40E-04	1.70E-03	6.66E-05	3.21E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montcalm County	26117	R	Trichloroethylene	8.22E-02	8.23E-02	8.27E-02	8.51E-02	8.61E-02	8.65E-02	9.65E-02	9.69E-02	1.17E-03	3.92E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Montcalm County	26117	R	Vinyl Chloride	2.83E-04	2.88E-04	3.74E-04	8.12E-04	1.35E-03	2.09E-03	2.85E-03	4.44E-03	1.64E-04	1.19E-03	0.00E+00	5.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Acetaldehyde	3.12E-02	3.12E-02	3.14E-02	3.30E-02	3.44E-02	3.57E-02	4.07E-02	4.07E-02	1.62E-03	1.94E-03	2.24E-02	8.41E-03	0.00E+00		
Michigan	Montmorency County	26119	R	Acrolein	7.08E-03	7.08E-03	7.18E-03	7.94E-03	7.87E-03	8.24E-03	8.89E-03	8.89E-03	3.40E-04	2.65E-03	2.76E-03	2.11E-03	0.00E+00		
Michigan	Montmorency County	26119	R	Acrylonitrile	2.24E-04	2.24E-04	3.27E-04	5.30E-04	6.01E-04	8.08E-04	1.12E-03	1.12E-03	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Arsenic Compounds	3.29E-06	3.29E-06	3.30E-06	4.06E-06	4.32E-06	4.37E-06	6.56E-06	6.56E-06	3.12E-09	3.15E-07	3.27E-06	7.28E-07	0.00E+00		
Michigan	Montmorency County	26119	R	Benzene	5.54E-01	5.54E-01	5.56E-01	5.71E-01	5.81E-01	5.76E-01	6.50E-01	6.50E-01	2.89E-04	4.97E-02	2.87E-02	2.25E-02	4.80E-01		
Michigan	Montmorency County	26119	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Beryllium Compounds	9.84E-08	9.84E-08	1.03E-07	1.23E-07	1.32E-07	1.51E-07	1.85E-07	1.85E-07	6.31E-12	1.32E-07	0.00E+00	3.73E-11	0.00E+00		
Michigan	Montmorency County	26119	R	1,3-Butadiene	2.97E-03	2.97E-03	3.48E-03	3.62E-03	4.24E-03	4.23E-03	6.92E-03	6.92E-03	0.00E+00	6.46E-04	1.59E-03	2.01E-03	0.00E+00		
Michigan	Montmorency County	26119	R	Cadmium Compounds	3.51E-07	3.51E-07	3.79E-07	3.94E-07	4.64E-07	4.49E-07	7.44E-07	7.44E-07	1.93E-08	4.44E-07	0.00E+00	5.17E-10	0.00E+00		
Michigan	Montmorency County	26119	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	1.61E-09	1.28E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Montmorency County	26119	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.86E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Montmorency County	26119	R	Chloroform	8.39E-02	8.39E-02	8.39E-02	8.40E-02	8.43E-02	8.43E-02	8.54E-02	8.54E-02	0.00E+00	1.30E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Montmorency County	26119	R	Chromium Compounds (includes Hexavalent)	2.91E-06	2.91E-06	3.25E-06	4.28E-06	1.16E-05	1.72E-05	3.02E-05	3.02E-05	8.74E-06	6.97E-07	1.89E-06	2.57E-07	0.00E+00		
Michigan	Montmorency County	26119	R	Chromium VI	1.12E-06	1.12E-06	1.24E-06	1.68E-06	1.95E-06	2.22E-06	3.49E-06	3.49E-06	8.44E-07	2.66E-07	7.53E-07	8.73E-08	0.00E+00		
Michigan	Montmorency County	26119	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	1,4-Dichlorobenzene	1.66E-03	1.66E-03	1.83E-03	1.89E-03	2.55E-03	2.62E-03	4.73E-03	4.73E-03	0.00E+00	2.55E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	1,3-Dichloropropene	3.14E-03	3.14E-03	3.35E-03	3.64E-03	4.92E-03	5.01E-03	9.45E-03	9.45E-03	0.00E+00	4.92E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.35E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Montmorency County	26119	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	4.95E-10	7.94E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Montmorency County	26119	R	Ethylene Oxide	1.58E-04	1.58E-04	1.74E-04	1.84E-04	2.48E-04	2.53E-04	4.69E-04	4.69E-04	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Formaldehyde	3.09E-01	3.09E-01	3.11E-01	3.21E-01	3.19E-01	3.26E-01	3.27E-01	3.27E-01	7.72E-03	1.23E-02	1.84E-02	3.03E-02	2.50E-01		
Michigan	Montmorency County	26119	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.32E-05	9.31E-05	9.38E-05	9.38E-05	0.00E+00	1.98E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Montmorency County	26119	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	7.38E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Montmorency County	26119	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Hydrazine	0.00E+00	0.00E+00	2.99E-12	3.60E-11	5.32E-11	8.62E-11	1.41E-10	1.41E-10	0.00E+00	5.32E-11	0.00E+00	0.00E+00	0.00E+00		
Michigan	Montmorency County	26119	R	Lead Compounds	9.65E-06	9.65E-06	2.13E-05	2.67E-05	2.46E-05	3.15E-05	3.38E-05	3.38E-05	1.69E-06	6.75E-06	0.00E+00	1.61E-05	0.00E+00		
Michigan	Montmorency County	26119	R	Manganese Compounds	5.38E-06	5.38E-06	6.24E-06	1.01E-05	4.84E-05	7.73E-05	1.43E-04	1.43E-04	3.98E-05	7.91E-06	5.97E-07	1.22E-07	0.00E+00		
Michigan	Montmorency County	26119	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	2.26E-09	4.04E-06	3.86E-06	4.69E-07	1.50E-03		
Michigan	Montmorency County	26119	R	Methylene Chloride	1.54E-01	1.54E-01	1.55E-01	1.57E-01	1.57E-01	1.58E-01	1.61E-01	1.61E-01	2.57E-05	7.19E-03	0.00E				

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					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Muskegon County	26121	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.62E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Muskegon County	26121	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Muskegon County	26121	U	Hydrazine	1.68E-10	3.20E-10	7.80E-10	1.34E-09	1.79E-09	1.86E-09	3.08E-09	4.63E-09	9.34E-12	1.78E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Muskegon County	26121	U	Lead Compounds	5.06E-04	6.32E-04	9.65E-04	1.91E-03	2.67E-03	3.34E-03	5.16E-03	6.16E-03	3.83E-04	1.09E-03	0.00E+00	1.20E-03	0.00E+00		
Michigan	Muskegon County	26121	U	Manganese Compounds	3.24E-04	3.37E-04	5.51E-04	9.63E-04	1.38E-03	1.70E-03	2.55E-03	3.17E-03	7.40E-04	6.29E-04	4.77E-06	2.61E-06	0.00E+00		
Michigan	Muskegon County	26121	U	Mercury Compounds	1.52E-03	1.52E-03	1.54E-03	1.55E-03	1.56E-03	1.56E-03	1.60E-03	1.64E-03	1.09E-05	1.94E-05	1.97E-05	6.06E-06	1.50E-03		
Michigan	Muskegon County	26121	U	Methylene Chloride	1.73E-01	1.84E-01	2.22E-01	3.16E-01	4.54E-01	4.13E-01	6.59E-01	1.70E+00	1.97E-01	1.07E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Muskegon County	26121	U	Nickel Compounds	4.02E-04	5.28E-04	9.69E-04	2.87E-03	9.21E-03	7.11E-03	1.46E-02	3.09E-02	1.54E-06	9.15E-03	1.12E-05	3.85E-05	0.00E+00		
Michigan	Muskegon County	26121	U	Perchloroethylene	1.54E-01	1.63E-01	1.83E-01	2.00E-01	2.18E-01	2.41E-01	2.85E-01	3.27E-01	9.38E-05	7.80E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Muskegon County	26121	U	Polychlorinated Biphenyls	3.98E-04	4.03E-04	4.20E-04	4.33E-04	4.34E-04	4.41E-04	4.66E-04	4.70E-04	0.00E+00	5.35E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Muskegon County	26121	U	Polycyclic Organic Matter	1.16E-02	1.63E-02	2.16E-02	3.84E-02	3.60E-02	5.07E-02	5.62E-02	5.69E-02	5.37E-05	2.87E-02	5.87E-03	1.38E-03	0.00E+00		
Michigan	Muskegon County	26121	U	7-PAH	4.28E-04	4.70E-04	5.36E-04	6.03E-04	6.19E-04	6.93E-04	8.24E-04	9.11E-04	2.00E-08	5.62E-04	3.97E-05	1.75E-05	0.00E+00		
Michigan	Muskegon County	26121	U	Propylene Dichloride	3.31E-05	3.60E-05	4.65E-05	5.41E-05	6.60E-05	7.00E-05	1.13E-04	1.29E-04	3.09E-06	6.29E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Muskegon County	26121	U	Quinoline	4.18E-09	9.64E-09	2.10E-08	3.52E-08	4.33E-08	4.74E-08	7.28E-08	1.08E-07	0.00E+00	4.33E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Muskegon County	26121	U	1,1,2,2-Tetrachloroethane	3.27E-04	3.82E-04	4.38E-04	5.37E-04	6.47E-04	6.64E-04	1.06E-03	1.65E-03	2.83E-05	6.19E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Muskegon County	26121	U	Trichloroethylene	8.52E-02	8.65E-02	9.40E-02	1.22E-01	2.12E-01	1.69E-01	3.43E-01	4.55E-01	1.12E-01	1.90E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Muskegon County	26121	U	Vinyl Chloride	8.92E-04	9.53E-04	1.18E-03	1.36E-03	1.67E-03	1.75E-03	2.77E-03	4.11E-03	6.97E-05	1.60E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	Acetaldehyde	2.96E-02	4.52E-02	4.63E-02	6.47E-02	7.25E-02	1.07E-01	1.12E-01	1.27E-01	9.24E-06	1.77E-03	6.15E-02	9.23E-03	0.00E+00		
Michigan	Newaygo County	26123	R	Acrolein	6.64E-03	7.11E-03	7.30E-03	9.05E-03	1.11E-02	1.54E-02	1.74E-02	1.83E-02	1.79E-06	2.02E-03	7.34E-03	1.78E-03	0.00E+00		
Michigan	Newaygo County	26123	R	Acrylonitrile	2.83E-04	4.17E-04	5.07E-04	6.75E-04	8.33E-04	1.08E-03	1.14E-03	2.15E-03	1.72E-04	6.61E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	Arsenic Compounds	4.58E-06	6.47E-06	6.92E-06	1.06E-05	1.22E-05	1.66E-05	1.67E-05	2.72E-05	1.10E-06	2.33E-06	6.60E-06	2.17E-06	0.00E+00		
Michigan	Newaygo County	26123	R	Benzene	5.61E-01	5.80E-01	5.83E-01	6.02E-01	6.31E-01	6.70E-01	6.74E-01	7.99E-01	4.67E-04	6.07E-02	6.98E-02	1.98E-02	4.80E-01		
Michigan	Newaygo County	26123	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	Beryllium Compounds	1.74E-07	4.10E-07	4.40E-07	8.19E-07	8.75E-07	1.17E-06	1.17E-06	2.44E-06	5.45E-08	7.87E-07	0.00E+00	3.35E-08	0.00E+00		
Michigan	Newaygo County	26123	R	1,3-Butadiene	2.64E-03	3.08E-03	3.42E-03	4.25E-03	4.86E-03	5.37E-03	5.88E-03	1.11E-02	0.00E+00	2.99E-04	3.18E-03	1.38E-03	0.00E+00		
Michigan	Newaygo County	26123	R	Cadmium Compounds	9.08E-07	1.83E-06	2.30E-06	3.47E-06	6.51E-06	4.71E-06	7.04E-06	3.63E-05	1.93E-06	4.55E-06	0.00E+00	3.46E-08	0.00E+00		
Michigan	Newaygo County	26123	R	Carbon Disulfide	4.71E-02	4.72E-02	4.72E-02	4.74E-02	4.77E-02	4.79E-02	4.81E-02	5.02E-02	2.35E-05	7.05E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Newaygo County	26123	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	4.75E-05	6.47E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Newaygo County	26123	R	Chloroform	8.38E-02	8.41E-02	8.42E-02	8.49E-02	8.53E-02	8.63E-02	8.64E-02	8.78E-02	2.10E-06	2.29E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Newaygo County	26123	R	Chromium Compounds (includes Hexavalent)	4.17E-06	7.49E-06	1.36E-05	1.08E-04	1.07E-04	1.92E-04	1.98E-04	2.02E-04	5.14E-06	9.75E-05	4.37E-06	2.51E-07	0.00E+00		
Michigan	Newaygo County	26123	R	Chromium VI	1.60E-06	4.02E-06	4.54E-06	1.07E-05	1.36E-05	2.25E-05	2.27E-05	3.49E-05	6.19E-07	1.11E-05	1.75E-06	8.52E-08	0.00E+00		
Michigan	Newaygo County	26123	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	1,4-Dichlorobenzene	3.18E-03	5.19E-03	5.92E-03	7.57E-03	9.54E-03	1.23E-02	1.35E-02	2.27E-02	1.58E-05	9.52E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	1,3-Dichloropropene	6.03E-03	9.95E-03	1.12E-02	1.47E-02	1.84E-02	2.30E-02	2.58E-02	4.55E-02	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Newaygo County	26123	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.02E-07	4.91E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Newaygo County	26123	R	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6							

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					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Oakland County	26125	U	Cadmium Compounds	1.40E-05	3.23E-05	7.42E-05	3.56E-04	2.96E-04	4.66E-04	5.10E-04	5.53E-04	1.29E-05	2.83E-04	0.00E+00	3.81E-07	0.00E+00		
Michigan	Oakland County	26125	U	Carbon Disulfide	4.82E-02	4.84E-02	4.86E-02	4.92E-02	5.02E-02	5.02E-02	5.21E-02	5.34E-02	6.24E-04	2.58E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Oakland County	26125	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	7.61E-06	4.05E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Oakland County	26125	U	Chloroform	1.03E-01	1.07E-01	1.15E-01	1.21E-01	1.22E-01	1.27E-01	1.34E-01	1.40E-01	4.47E-05	3.86E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Oakland County	26125	U	Chromium Compounds (includes Hexavalent)	1.51E-04	1.95E-04	2.83E-04	4.54E-04	6.23E-04	8.24E-04	1.20E-03	1.55E-03	7.58E-06	5.56E-04	5.67E-05	2.95E-06	0.00E+00		
Michigan	Oakland County	26125	U	Chromium VI	4.57E-05	5.15E-05	6.84E-05	1.05E-04	1.47E-04	1.65E-04	2.74E-04	3.85E-04	2.08E-06	1.21E-04	2.27E-05	1.00E-06	0.00E+00		
Michigan	Oakland County	26125	U	Coke Oven Emissions	0.00E+00	0.00E+00	2.79E-03	5.58E-03	6.53E-03	8.52E-03	1.41E-02	1.87E-02	6.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	1,4-Dichlorobenzene	4.57E-02	5.49E-02	7.22E-02	8.96E-02	9.06E-02	1.08E-01	1.30E-01	1.40E-01	3.82E-04	9.02E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	1,3-Dichloropropene	8.50E-02	1.04E-01	1.38E-01	1.74E-01	1.76E-01	2.11E-01	2.56E-01	2.76E-01	0.00E+00	1.76E-01	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.71E-03	2.33E-06	9.93E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Oakland County	26125	U	Ethylene Dichloride	6.13E-02	6.13E-02	6.14E-02	6.14E-02	6.17E-02	6.16E-02	6.21E-02	6.25E-02	5.02E-04	1.68E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Oakland County	26125	U	Ethylene Oxide	4.75E-03	5.70E-03	7.74E-03	9.78E-03	1.01E-02	1.19E-02	1.44E-02	1.61E-02	7.31E-07	1.01E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Formaldehyde	6.38E-01	7.17E-01	8.64E-01	1.02E+00	1.17E+00	1.22E+00	1.83E+00	2.41E+00	1.85E-01	1.23E-02	5.69E-01	1.56E-01	2.50E-01		
Michigan	Oakland County	26125	U	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.33E-05	0.00E+00	1.18E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Oakland County	26125	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.96E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Oakland County	26125	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Hydrazine	7.14E-09	1.03E-08	1.92E-08	3.94E-08	8.53E-08	7.84E-08	1.99E-07	3.79E-07	0.00E+00	8.53E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Lead Compounds	1.07E-03	1.39E-03	1.71E-03	1.94E-03	2.71E-03	2.36E-03	4.00E-03	5.47E-03	7.79E-05	3.33E-04	0.00E+00	2.30E-03	0.00E+00		
Michigan	Oakland County	26125	U	Manganese Compounds	2.45E-04	2.89E-04	5.66E-04	7.65E-04	9.11E-04	1.19E-03	1.62E-03	1.92E-03	4.73E-04	4.17E-04	1.80E-05	2.45E-06	0.00E+00		
Michigan	Oakland County	26125	U	Mercury Compounds	1.58E-03	1.59E-03	1.62E-03	1.65E-03	1.67E-03	1.70E-03	1.75E-03	1.79E-03	2.09E-05	7.15E-05	6.22E-05	1.27E-05	1.50E-03		
Michigan	Oakland County	26125	U	Methylene Chloride	2.55E-01	2.85E-01	3.54E-01	4.36E-01	4.48E-01	5.06E-01	5.89E-01	7.03E-01	1.48E-02	2.83E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Oakland County	26125	U	Nickel Compounds	4.95E-04	6.46E-04	1.01E-03	1.66E-03	2.16E-03	2.74E-03	4.25E-03	5.53E-03	7.21E-05	2.03E-03	4.19E-05	1.72E-05	0.00E+00		
Michigan	Oakland County	26125	U	Perchloroethylene	2.52E-01	2.93E-01	3.81E-01	4.89E-01	5.19E-01	6.17E-01	7.66E-01	9.23E-01	1.70E-02	3.62E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	Oakland County	26125	U	Polychlorinated Biphenyls	3.82E-04	3.83E-04	3.86E-04	3.91E-04	3.93E-04	3.97E-04	4.03E-04	4.10E-04	2.03E-09	1.29E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Oakland County	26125	U	Polycyclic Organic Matter	5.32E-02	6.21E-02	7.43E-02	8.80E-02	9.15E-02	1.07E-01	1.23E-01	1.33E-01	6.41E-04	6.59E-02	2.07E-02	4.25E-03	0.00E+00		
Michigan	Oakland County	26125	U	POLYCH	7.23E-04	7.44E-04	8.08E-04	1.02E-03	1.18E-03	1.29E-03	1.80E-03	2.16E-03	6.98E-07	1.01E-03	1.36E-04	3.75E-05	0.00E+00		
Michigan	Oakland County	26125	U	Propylene Dichloride	1.28E-04	1.42E-04	1.61E-04	1.79E-04	2.97E-04	2.94E-04	4.82E-04	6.85E-04	2.52E-04	4.51E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Quinoline	1.07E-07	1.51E-07	5.04E-05	1.08E-04	1.23E-04	1.59E-04	2.62E-04	3.47E-04	0.00E+00	1.23E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	1,1,2,2-Tetrachloroethane	1.14E-03	1.27E-03	1.42E-03	1.60E-03	2.65E-03	2.62E-03	4.33E-03	5.96E-03	2.30E-03	3.50E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oakland County	26125	U	Trichloroethylene	9.43E-02	9.77E-02	1.08E-01	1.20E-01	1.28E-01	1.31E-01	1.49E-01	1.62E-01	4.52E-03	4.25E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Oakland County	26125	U	Vinyl Chloride	3.04E-03	3.52E-03	3.90E-03	4.40E-03	7.54E-03	7.14E-03	1.26E-02	1.77E-02	5.67E-03	1.87E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oceana County	26127	R	Acetaldehyde	1.18E-02	1.18E-02	2.84E-02	3.60E-02	4.26E-02	3.79E-02	1.06E-01	1.06E-01	5.98E-04	8.13E-04	3.37E-02	7.83E-03	0.00E+00		
Michigan	Oceana County	26127	R	Acrolein	3.53E-03	3.53E-03	6.04E-03	6.98E-03	7.01E-03	7.60E-03	1.10E-02	1.10E-02	2.49E-06	1.30E-03	3.67E-03	2.04E-03	0.00E+00		
Michigan	Oceana County	26127	R	Acrylonitrile	1.37E-04	1.37E-04	4.00E-04	6.75E-04	7.22E-04	7.27E-04	1.72E-03	1.72E-03	0.00E+00	7.22E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oceana County	26127	R	Arsenic Compounds	1.63E-06	1.63E-06	6.25E-06	7.78E-06	8.45E-06	8.45E-06	1.88E-05	1.88E-05	1.27E-06	7.33E-07	4.89E-06	1.56E-06	0.00E+00		
Michigan	Oceana County	26127	R	Benzene	5.33E-01	5.33E-01	5.65E-01	5.86E-01	5.89E-01	5.91E-01	6.74E-01	6.74E-01	1.38E-04	3.51E-02</					

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Oceana County	26127	R	7-PAH	6.29E-05	6.29E-05	4.26E-04	4.68E-04	4.16E-04	5.17E-04	5.56E-04	5.56E-04	4.69E-09	4.01E-04	8.61E-06	6.42E-06	0.00E+00		
Michigan	Oceana County	26127	R	Propylene Dichloride	7.04E-06	7.04E-06	2.33E-05	3.98E-05	4.24E-05	4.16E-05	1.03E-04	1.03E-04	0.00E+00	4.24E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oceana County	26127	R	Quinoline	0.00E+00	0.00E+00	3.37E-09	4.18E-09	3.84E-09	5.24E-09	6.09E-09	6.09E-09	0.00E+00	3.84E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oceana County	26127	R	1,1,2,2-Tetrachloroethane	7.55E-05	7.55E-05	2.17E-04	3.71E-04	3.95E-04	3.94E-04	9.44E-04	9.44E-04	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Oceana County	26127	R	Trichloroethylene	8.12E-02	8.12E-02	8.20E-02	8.32E-02	8.30E-02	8.40E-02	8.42E-02	8.42E-02	4.88E-04	1.49E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Oceana County	26127	R	Vinyl Chloride	1.89E-04	1.89E-04	5.50E-04	9.20E-04	9.82E-04	9.80E-04	2.34E-03	2.34E-03	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Acetaldehyde	2.55E-02	2.55E-02	3.38E-02	4.39E-02	4.90E-02	6.37E-02	8.40E-02	8.40E-02	5.45E-05	1.33E-03	3.92E-02	8.49E-03	0.00E+00		
Michigan	Ogemaw County	26129	R	Acrolein	6.93E-03	6.93E-03	7.76E-03	8.98E-03	9.65E-03	1.13E-02	1.42E-02	1.42E-02	1.44E-05	2.21E-03	5.41E-03	2.02E-03	0.00E+00		
Michigan	Ogemaw County	26129	R	Acrylonitrile	2.07E-04	2.07E-04	2.23E-04	2.60E-04	3.07E-04	4.08E-04	4.66E-04	4.66E-04	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Arsenic Compounds	4.54E-06	4.54E-06	5.65E-06	8.20E-06	9.28E-06	1.24E-05	1.72E-05	1.72E-05	2.14E-09	6.21E-07	6.84E-06	1.81E-06	0.00E+00		
Michigan	Ogemaw County	26129	R	Benzene	5.73E-01	5.73E-01	5.82E-01	6.02E-01	6.21E-01	6.52E-01	7.27E-01	7.27E-01	9.66E-07	5.58E-02	5.93E-02	2.62E-02	4.80E-01		
Michigan	Ogemaw County	26129	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Beryllium Compounds	1.47E-07	1.47E-07	1.95E-07	2.33E-07	3.14E-07	4.13E-07	6.85E-07	6.85E-07	3.04E-12	3.14E-07	0.00E+00	1.16E-10	0.00E+00		
Michigan	Ogemaw County	26129	R	1,3-Butadiene	2.83E-03	2.83E-03	3.49E-03	5.24E-03	6.15E-03	8.12E-03	1.27E-02	1.27E-02	0.00E+00	4.73E-04	3.56E-03	2.12E-03	0.00E+00		
Michigan	Ogemaw County	26129	R	Cadmium Compounds	4.96E-07	4.96E-07	5.88E-07	7.25E-07	8.46E-07	1.08E-06	1.48E-06	1.48E-06	8.79E-10	8.44E-07	0.00E+00	1.20E-09	0.00E+00		
Michigan	Ogemaw County	26129	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.75E-02	4.75E-02	0.00E+00	1.28E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Ogemaw County	26129	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	2.76E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Ogemaw County	26129	R	Chloroform	8.38E-02	8.38E-02	8.38E-02	8.40E-02	8.43E-02	8.46E-02	8.55E-02	8.55E-02	0.00E+00	1.26E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Ogemaw County	26129	R	Chromium Compounds (includes Hexavalent)	2.41E-06	2.41E-06	3.08E-06	4.56E-06	4.99E-06	6.55E-06	9.13E-06	9.13E-06	4.50E-09	6.73E-07	4.03E-06	2.78E-07	0.00E+00		
Michigan	Ogemaw County	26129	R	Chromium VI	9.79E-07	9.79E-07	1.38E-06	2.00E-06	2.14E-06	2.79E-06	3.83E-06	3.83E-06	2.52E-09	4.23E-07	1.62E-06	9.44E-08	0.00E+00		
Michigan	Ogemaw County	26129	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	1,4-Dichlorobenzene	2.89E-03	2.89E-03	3.08E-03	3.93E-03	4.88E-03	6.16E-03	9.81E-03	9.81E-03	0.00E+00	4.88E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	1,3-Dichloropropene	5.64E-03	5.64E-03	5.94E-03	7.67E-03	9.62E-03	1.22E-02	1.97E-02	1.97E-02	0.00E+00	9.62E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	1.68E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Ogemaw County	26129	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	0.00E+00	4.18E-05	0.00E+00	0.00E+00	6.10E-02		
Michigan	Ogemaw County	26129	R	Ethylene Oxide	2.84E-04	2.84E-04	3.12E-04	4.07E-04	5.16E-04	7.05E-04	9.94E-04	9.94E-04	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Formaldehyde	2.89E-01	2.89E-01	2.95E-01	3.07E-01	3.12E-01	3.27E-01	3.46E-01	3.46E-01	7.45E-05	7.63E-03	3.36E-02	2.05E-02	2.50E-01		
Michigan	Ogemaw County	26129	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	9.32E-05	9.35E-05	9.35E-05	0.00E+00	2.04E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Ogemaw County	26129	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.38E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Ogemaw County	26129	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Hydrazine	4.72E-12	4.72E-12	2.33E-11	3.48E-11	3.70E-11	5.49E-11	6.51E-11	6.51E-11	0.00E+00	3.70E-11	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ogemaw County	26129	R	Lead Compounds	1.62E-05	1.62E-05	3.00E-05	4.26E-05	9.85E-05	5.51E-05	5.16E-04	5.16E-04	1.20E-08	8.54E-06	0.00E+00	8.99E-05	0.00E+00		
Michigan	Ogemaw County	26129	R	Manganese Compounds	3.35E-06	3.35E-06	4.07E-06	5.07E-06	5.84E-06	8.18E-06	8.69E-06	8.69E-06	3.35E-07	4.03E-06	1.26E-06	2.11E-07	0.00E+00		
Michigan	Ogemaw County	26129	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	2.45E-10	2.11E-06	8.17E-06	1.39E-06	1.50E-03		
Michigan	Ogemaw County	26129	R	Methylene Chloride	1.56E-01	1.56E-01	1.57E-01	1.58E-01	1.61E-01	1.63E-01	1.78E-01	1.78E-01	0.00E+00	1.11E-02	0.00E+00	0.00E+00	1.		

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Ontonagon County	26131	R	Ethylene Oxide	2.38E-06	2.38E-06	2.17E-05	4.90E-05	5.48E-05	8.79E-05	1.19E-04	1.19E-04	0.00E+00	5.48E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	Formaldehyde	2.65E-01	2.65E-01	2.71E-01	2.79E-01	2.76E-01	2.81E-01	2.81E-01	2.81E-01	3.68E-04	6.07E-03	2.98E-03	1.65E-02	2.50E-01		
Michigan	Ontonagon County	26131	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.30E-05	9.31E-05	9.31E-05	0.00E+00	2.82E-08	0.00E+00	0.00E+00	9.30E-05		
Michigan	Ontonagon County	26131	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.62E-09	0.00E+00	0.00E+00	1.80E-03		
Michigan	Ontonagon County	26131	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	Hydrazine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	Lead Compounds	4.48E-06	4.48E-06	8.56E-06	1.72E-05	2.59E-05	4.33E-05	6.49E-05	6.49E-05	3.09E-08	2.88E-06	0.00E+00	2.30E-05	0.00E+00		
Michigan	Ontonagon County	26131	R	Manganese Compounds	1.42E-05	1.42E-05	1.58E-05	2.98E-05	6.09E-05	1.06E-04	1.70E-04	1.70E-04	8.55E-07	5.99E-05	9.49E-08	1.12E-07	0.00E+00		
Michigan	Ontonagon County	26131	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	1.50E-03	4.53E-10	1.08E-06	6.51E-07	2.47E-07	1.50E-03	
Michigan	Ontonagon County	26131	R	Methylene Chloride	1.50E-01	1.50E-01	1.51E-01	1.52E-01	1.53E-01	1.55E-01	1.56E-01	1.56E-01	4.10E-05	2.64E-03	0.00E+00	0.00E+00	1.50E-01		
Michigan	Ontonagon County	26131	R	Nickel Compounds	1.16E-06	1.16E-06	2.46E-06	5.66E-06	8.97E-06	1.55E-05	2.34E-05	2.34E-05	1.31E-09	7.56E-06	2.38E-07	1.17E-06	0.00E+00		
Michigan	Ontonagon County	26131	R	Perchloroethylene	1.40E-01	1.40E-01	1.41E-01	1.41E-01	1.41E-01	1.42E-01	1.42E-01	1.42E-01	5.13E-05	1.17E-03	0.00E+00	0.00E+00	1.40E-01		
Michigan	Ontonagon County	26131	R	Polychlorinated Biphenyls	3.80E-04	3.80E-04	3.81E-04	3.82E-04	3.83E-04	3.86E-04	3.89E-04	3.89E-04	0.00E+00	3.18E-06	0.00E+00	0.00E+00	3.80E-04		
Michigan	Ontonagon County	26131	R	Polycyclic Organic Matter	2.25E-04	2.25E-04	8.48E-04	1.47E-03	1.55E-03	2.25E-03	3.01E-03	3.01E-03	7.39E-12	1.33E-03	1.25E-04	9.15E-05	0.00E+00		
Michigan	Ontonagon County	26131	R	7-PAH	1.71E-05	1.71E-05	7.44E-05	1.37E-04	1.26E-04	1.77E-04	2.11E-04	2.11E-04	6.84E-14	1.19E-04	8.72E-07	6.15E-06	0.00E+00		
Michigan	Ontonagon County	26131	R	Propylene Dichloride	1.81E-09	1.81E-09	4.55E-06	1.24E-05	1.55E-05	2.65E-05	3.74E-05	3.74E-05	0.00E+00	1.55E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	Quinoline	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	1,1,2,2-Tetrachloroethane	2.84E-10	2.84E-10	5.32E-05	2.30E-04	2.23E-04	3.93E-04	4.33E-04	4.33E-04	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ontonagon County	26131	R	Trichloroethylene	8.10E-02	8.10E-02	8.11E-02	8.15E-02	8.15E-02	8.19E-02	8.20E-02	8.20E-02	2.05E-05	5.10E-04	0.00E+00	0.00E+00	8.10E-02		
Michigan	Ontonagon County	26131	R	Vinyl Chloride	1.27E-08	1.27E-08	1.28E-04	5.62E-04	5.28E-04	9.29E-04	9.90E-04	9.90E-04	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Osceola County	26133	R	Acetaldehyde	2.87E-02	2.87E-02	3.26E-02	3.59E-02	3.57E-02	3.86E-02	4.25E-02	4.25E-02	0.00E+00	2.21E-03	2.80E-02	5.47E-03	0.00E+00		
Michigan	Osceola County	26133	R	Acrolein	7.11E-03	7.11E-03	7.12E-03	7.42E-03	7.66E-03	7.91E-03	8.97E-03	8.97E-03	0.00E+00	1.98E-03	4.03E-03	1.65E-03	0.00E+00		
Michigan	Osceola County	26133	R	Acrylonitrile	2.05E-04	2.05E-04	3.01E-04	6.09E-04	7.68E-04	1.24E-03	1.64E-03	1.64E-03	0.00E+00	7.68E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Osceola County	26133	R	Arsenic Compounds	5.51E-06	5.51E-06	5.97E-06	6.93E-06	7.81E-06	1.02E-05	1.14E-05	1.14E-05	0.00E+00	1.09E-06	5.00E-06	1.72E-06	0.00E+00		
Michigan	Osceola County	26133	R	Benzene	5.79E-01	5.79E-01	5.81E-01	6.18E-01	6.31E-01	6.88E-01	6.98E-01	6.98E-01	0.00E+00	8.68E-02	4.55E-02	1.82E-02	4.80E-01		
Michigan	Osceola County	26133	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Osceola County	26133	R	Beryllium Compounds	2.36E-07	2.36E-07	2.39E-07	2.72E-07	3.58E-07	4.18E-07	7.13E-07	7.13E-07	0.00E+00	3.57E-07	0.00E+00	1.01E-09	0.00E+00		
Michigan	Osceola County	26133	R	1,3-Butadiene	3.29E-03	3.29E-03	3.89E-03	4.12E-03	4.67E-03	5.70E-03	6.89E-03	6.89E-03	0.00E+00	3.49E-04	2.90E-03	1.42E-03	0.00E+00		
Michigan	Osceola County	26133	R	Cadmium Compounds	7.78E-07	7.78E-07	7.97E-07	1.19E-06	1.25E-06	1.50E-06	2.01E-06	2.01E-06	0.00E+00	1.24E-06	0.00E+00	1.01E-09	0.00E+00		
Michigan	Osceola County	26133	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	4.73E-02	4.75E-02	4.75E-02	0.00E+00	2.11E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Osceola County	26133	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	3.46E-05	0.00E+00	0.00E+00	8.80E-01		
Michigan	Osceola County	26133	R	Chloroform	8.45E-02	8.45E-02	8.48E-02	8.49E-02	8.51E-02	8.57E-02	8.61E-02	8.61E-02	0.00E+00	2.13E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Osceola County	26133	R	Chromium Compounds (includes Hexavalent)	3.51E-06	3.51E-06	3.53E-06	4.69E-06	4.86E-06	6.09E-06	6.67E-06	6.67E-06	0.00E+00	1.68E-06	2.99E-06	1.89E-07	0.00E+00		
Michigan	Osceola County	26133	R	Chromium VI	1.40E-06	1.40E-06	1.42E-06	1.86E-06	1.98E-06	2.46E-06	2.86E-06	2.86E-06	0.00E+00	7.19E-07	1.20E-06	6.42E-08	0.00E+00		
Michigan	Osceola County	26133	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Osceola County	26133	R	1,4-Dichlorobenzene	3.69E-03	3.69E-03	3.75E-03	4.45E-03	4.98E-03	6.64E-03	6.90E-03	6							

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Oscoda County	26135	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Beryllium Compounds	9.43E-08	9.43E-08	9.77E-08	1.28E-07	1.33E-07	1.68E-07	1.81E-07	1.81E-07	1.58E-11	1.33E-07	0.00E+00	1.27E-12	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	1,3-Butadiene	3.18E-03	3.18E-03	3.48E-03	4.11E-03	4.87E-03	6.25E-03	8.07E-03	8.07E-03	0.00E+00	7.77E-04	1.62E-03	2.47E-03	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Cadmium Compounds	2.83E-07	2.83E-07	3.07E-07	3.63E-07	4.05E-07	5.03E-07	6.11E-07	6.11E-07	6.40E-09	3.99E-07	0.00E+00	1.77E-11	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.71E-02	4.72E-02	4.72E-02	0.00E+00	1.10E-04	0.00E+00	0.00E+00	4.70E-02	0.00E+00	
Michigan	Oscoda County	26135	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	0.00E+00	1.24E-05	0.00E+00	0.00E+00	8.80E-01	0.00E+00	
Michigan	Oscoda County	26135	R	Chloroform	8.38E-02	8.38E-02	8.39E-02	8.40E-02	8.42E-02	8.44E-02	8.49E-02	8.49E-02	0.00E+00	1.15E-03	0.00E+00	0.00E+00	8.30E-02	0.00E+00	
Michigan	Oscoda County	26135	R	Chromium Compounds (includes Hexavalent)	1.40E-06	1.40E-06	1.93E-06	2.63E-06	2.70E-06	3.46E-06	4.13E-06	4.13E-06	3.71E-08	3.92E-07	1.98E-06	2.89E-07	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Chromium VI	5.59E-07	5.59E-07	7.62E-07	1.05E-06	1.07E-06	1.38E-06	1.63E-06	1.63E-06	2.08E-08	1.60E-07	7.92E-07	9.82E-08	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	1,4-Dichlorobenzene	1.57E-03	1.57E-03	1.67E-03	1.98E-03	2.35E-03	3.02E-03	3.87E-03	3.87E-03	0.00E+00	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	1,3-Dichloropropene	2.98E-03	2.98E-03	3.18E-03	3.79E-03	4.51E-03	5.85E-03	7.50E-03	7.50E-03	0.00E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	2.81E-07	0.00E+00	0.00E+00	7.70E-03	0.00E+00	
Michigan	Oscoda County	26135	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.11E-02	0.00E+00	6.20E-05	0.00E+00	0.00E+00	6.10E-02	0.00E+00	
Michigan	Oscoda County	26135	R	Ethylene Oxide	1.52E-04	1.52E-04	1.64E-04	1.98E-04	2.33E-04	3.01E-04	3.82E-04	3.82E-04	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Formaldehyde	2.94E-01	2.94E-01	2.96E-01	3.01E-01	3.05E-01	3.14E-01	3.26E-01	3.26E-01	6.12E-04	1.16E-02	1.60E-02	2.71E-02	2.50E-01	0.00E+00	
Michigan	Oscoda County	26135	R	Hexachlorobenzene	9.30E-05	9.30E-05	9.31E-05	9.31E-05	9.31E-05	9.31E-05	9.32E-05	9.32E-05	0.00E+00	9.94E-08	0.00E+00	0.00E+00	9.30E-05	0.00E+00	
Michigan	Oscoda County	26135	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	5.98E-09	0.00E+00	0.00E+00	1.80E-03	0.00E+00	
Michigan	Oscoda County	26135	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Hydrazine	1.03E-11	1.03E-11	6.10E-11	1.19E-10	1.07E-10	1.53E-10	1.80E-10	1.80E-10	0.00E+00	1.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Lead Compounds	1.04E-05	1.04E-05	1.10E-05	1.81E-05	1.80E-05	2.51E-05	2.56E-05	2.56E-05	1.01E-07	6.54E-06	0.00E+00	1.14E-05	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Manganese Compounds	3.12E-06	3.12E-06	5.46E-06	9.06E-06	8.18E-06	1.09E-05	1.15E-05	1.15E-05	2.83E-06	4.58E-06	6.24E-07	1.42E-07	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Mercury Compounds	1.50E-03	1.50E-03	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.51E-03	1.78E-09	1.33E-06	4.09E-06	6.42E-07	1.50E-03	
Michigan	Oscoda County	26135	R	Methylene Chloride	1.54E-01	1.54E-01	1.55E-01	1.55E-01	1.56E-01	1.58E-01	1.60E-01	1.60E-01	0.00E+00	6.29E-03	0.00E+00	0.00E+00	1.50E-01	0.00E+00	
Michigan	Oscoda County	26135	R	Nickel Compounds	4.11E-06	4.11E-06	4.90E-06	6.34E-06	6.93E-06	8.95E-06	1.09E-05	1.09E-05	7.25E-09	5.16E-06	1.49E-06	2.63E-07	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Perchloroethylene	1.42E-01	1.42E-01	1.42E-01	1.42E-01	1.43E-01	1.44E-01	1.44E-01	1.44E-01	0.00E+00	2.72E-03	0.00E+00	0.00E+00	1.40E-01	0.00E+00	
Michigan	Oscoda County	26135	R	Polychlorinated Biphenyls	3.86E-04	3.86E-04	3.86E-04	3.92E-04	3.92E-04	3.98E-04	3.98E-04	3.98E-04	0.00E+00	1.21E-05	0.00E+00	0.00E+00	3.80E-04	0.00E+00	
Michigan	Oscoda County	26135	R	Polycyclic Organic Matter	5.33E-03	5.33E-03	5.96E-03	6.73E-03	7.75E-03	9.53E-03	1.22E-02	1.22E-02	2.00E-09	6.81E-03	7.72E-04	1.69E-04	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	7-PAH	3.46E-04	3.46E-04	3.61E-04	4.07E-04	4.70E-04	5.79E-04	7.21E-04	7.21E-04	1.88E-11	4.55E-04	5.91E-06	9.44E-06	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Propylene Dichloride	1.54E-05	1.54E-05	1.68E-05	2.18E-05	3.03E-05	4.38E-05	6.23E-05	6.23E-05	0.00E+00	3.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Quinoline	2.38E-10	2.38E-10	1.42E-09	2.71E-09	2.39E-09	3.37E-09	3.92E-09	3.92E-09	0.00E+00	2.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	1,1,2,2-Tetrachloroethane	1.50E-04	1.50E-04	1.58E-04	2.05E-04	2.85E-04	4.12E-04	5.78E-04	5.78E-04	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Michigan	Oscoda County	26135	R	Trichloroethylene	8.1														

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution To Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Otsego County	26137	R	Perchloroethylene	1.48E-01	1.48E-01	1.51E-01	1.71E-01	1.68E-01	1.79E-01	1.90E-01	1.90E-01	3.45E-08	2.83E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Otsego County	26137	R	Polychlorinated Biphenyls	3.89E-04	3.89E-04	3.94E-04	4.06E-04	4.27E-04	4.15E-04	5.53E-04	5.53E-04	0.00E+00	4.69E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Otsego County	26137	R	Polycyclic Organic Matter	7.96E-03	7.96E-03	8.73E-03	1.79E-02	2.14E-02	2.21E-02	5.38E-02	5.38E-02	1.99E-08	1.77E-02	3.20E-03	5.21E-04	0.00E+00		
Michigan	Otsego County	26137	R	7-PAH	4.09E-04	4.09E-04	4.23E-04	6.79E-04	7.20E-04	7.51E-04	1.38E-03	1.38E-03	3.39E-10	6.86E-04	2.54E-05	8.70E-06	0.00E+00		
Michigan	Otsego County	26137	R	Propylene Dichloride	1.43E-05	1.43E-05	1.87E-05	2.27E-05	3.35E-05	6.03E-05	6.25E-05	6.25E-05	0.00E+00	3.35E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Otsego County	26137	R	Quinoline	2.38E-09	2.38E-09	3.90E-09	5.96E-09	1.85E-08	7.25E-09	8.54E-08	8.54E-08	0.00E+00	1.85E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Otsego County	26137	R	1,1,2,2-Tetrachloroethane	1.44E-04	1.44E-04	2.06E-04	2.80E-04	4.26E-04	5.75E-04	1.07E-03	1.07E-03	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Otsego County	26137	R	Trichloroethylene	8.17E-02	8.17E-02	8.18E-02	8.25E-02	8.45E-02	8.32E-02	9.51E-02	9.51E-02	0.00E+00	3.48E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Otsego County	26137	R	Vinyl Chloride	3.78E-04	3.78E-04	5.48E-04	7.29E-04	1.15E-03	1.83E-03	2.70E-03	2.70E-03	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Acetaldehyde	1.60E-01	2.20E-01	2.64E-01	3.37E-01	3.85E-01	4.45E-01	7.08E-01	8.12E-01	3.73E-03	5.27E-03	3.31E-01	4.53E-02	0.00E+00		
Michigan	Ottawa County	26139	U	Acrolein	3.41E-02	3.78E-02	4.07E-02	4.67E-02	5.11E-02	5.92E-02	8.15E-02	9.42E-02	1.44E-05	4.72E-03	4.05E-02	5.88E-03	0.00E+00		
Michigan	Ottawa County	26139	U	Acrylonitrile	6.33E-04	7.38E-04	1.03E-03	1.26E-03	1.32E-03	1.50E-03	1.67E-03	1.80E-03	2.44E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Arsenic Compounds	3.48E-05	3.61E-05	4.12E-05	4.93E-05	6.19E-05	7.04E-05	1.22E-04	1.45E-04	1.68E-06	1.05E-05	3.93E-05	1.03E-05	0.00E+00		
Michigan	Ottawa County	26139	U	Benzene	8.66E-01	8.89E-01	9.99E-01	1.06E+00	1.22E+00	1.31E+00	2.03E+00	2.42E+00	9.38E-04	1.27E-01	5.29E-01	8.56E-02	4.80E-01		
Michigan	Ottawa County	26139	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Beryllium Compounds	1.61E-06	1.91E-06	2.18E-06	2.71E-06	3.04E-06	3.68E-06	5.61E-06	6.45E-06	8.59E-08	2.74E-06	0.00E+00	2.16E-07	0.00E+00		
Michigan	Ottawa County	26139	U	1,3-Butadiene	1.30E-02	1.52E-02	2.09E-02	2.68E-02	4.60E-02	4.76E-02	1.34E-01	1.69E-01	0.00E+00	1.63E-04	3.78E-02	8.04E-03	0.00E+00		
Michigan	Ottawa County	26139	U	Cadmium Compounds	3.87E-06	4.57E-06	5.11E-06	6.45E-06	1.00E-05	1.08E-05	2.07E-05	3.14E-05	1.25E-06	8.56E-06	0.00E+00	2.26E-07	0.00E+00		
Michigan	Ottawa County	26139	U	Carbon Disulfide	4.79E-02	4.83E-02	4.86E-02	4.94E-02	5.05E-02	5.07E-02	5.41E-02	5.97E-02	5.35E-05	3.46E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Ottawa County	26139	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	1.99E-04	3.59E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Ottawa County	26139	U	Chloroform	8.98E-02	9.11E-02	9.44E-02	1.01E-01	1.03E-01	1.07E-01	1.18E-01	1.26E-01	2.27E-04	1.98E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Ottawa County	26139	U	Chromium Compounds (includes Hexavalent)	2.86E-04	3.95E-04	4.43E-04	6.29E-04	6.42E-04	7.85E-04	1.02E-03	1.23E-03	5.54E-05	5.54E-04	3.11E-05	1.21E-06	0.00E+00		
Michigan	Ottawa County	26139	U	Chromium VI	5.45E-05	6.05E-05	8.00E-05	1.04E-04	1.24E-04	2.02E-04	2.72E-04	1.80E-05	8.54E-05	1.24E-05	4.10E-05	1.40E-07	0.00E+00		
Michigan	Ottawa County	26139	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	1,4-Dichlorobenzene	1.70E-02	1.90E-02	2.70E-02	4.47E-02	4.63E-02	5.54E-02	8.39E-02	8.85E-02	2.24E-05	4.63E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	1,3-Dichloropropene	3.24E-02	3.62E-02	5.24E-02	8.88E-02	9.22E-02	1.11E-01	1.69E-01	1.78E-01	0.00E+00	9.22E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	2.17E-07	9.76E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Ottawa County	26139	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.12E-02	6.13E-02	6.13E-02	6.15E-02	3.39E-05	2.08E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Ottawa County	26139	U	Ethylene Oxide	1.76E-03	1.98E-03	2.91E-03	4.63E-03	5.84E-03	8.88E-03	1.09E-02	1.44E-06	4.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Formaldehyde	4.54E-01	4.68E-01	4.92E-01	5.54E-01	6.21E-01	6.46E-01	1.02E+00	1.11E+00	1.94E-03	7.94E-03	2.83E-01	7.81E-02	2.50E-01		
Michigan	Ottawa County	26139	U	Hexachlorobenzene	9.32E-05	9.32E-05	9.33E-05	9.38E-05	9.38E-05	9.41E-05	9.43E-05	9.50E-05	0.00E+00	8.14E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Ottawa County	26139	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.71E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Ottawa County	26139	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Ottawa County	26139	U	Hydrazine	6.75E-09	6.90E-09	2.28E-08	4.81E-08	1.59E-07	1.20E-07	5.42E-07	9.39E-07							

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution To Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Saginaw County	26145	U	Acrylonitrile	3.48E-03	4.18E-03	5.71E-03	6.69E-03	7.54E-03	8.07E-03	1.06E-02	1.43E-02	4.79E-03	2.75E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Arsenic Compounds	5.92E-05	8.67E-05	1.97E-04	5.30E-04	1.21E-03	8.67E-04	1.43E-03	2.11E-03	7.11E-04	4.69E-04	2.80E-05	7.36E-06	0.00E+00		
Michigan	Saginaw County	26145	U	Benzene	6.40E-01	6.82E-01	8.19E-01	1.05E+00	1.10E+00	1.27E+00	1.62E+00	2.05E+00	3.03E-02	1.31E-01	3.97E-01	5.97E-02	4.80E-01		
Michigan	Saginaw County	26145	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Beryllium Compounds	1.45E-06	1.90E-06	3.21E-06	5.49E-06	9.44E-06	8.70E-06	1.28E-05	1.69E-05	5.87E-06	3.37E-06	0.00E+00	1.91E-07	0.00E+00		
Michigan	Saginaw County	26145	U	1,3-Butadiene	4.68E-03	5.20E-03	1.20E-02	2.55E-02	3.66E-02	4.60E-02	9.26E-02	1.50E-01	0.00E+00	9.43E-05	3.06E-02	5.93E-03	0.00E+00		
Michigan	Saginaw County	26145	U	Cadmium Compounds	1.11E-05	1.60E-05	3.41E-05	7.93E-05	1.57E-04	1.45E-04	3.07E-04	5.67E-04	5.86E-05	9.85E-05	0.00E+00	2.53E-07	0.00E+00		
Michigan	Saginaw County	26145	U	Carbon Disulfide	4.75E-02	4.77E-02	4.80E-02	4.85E-02	4.88E-02	4.87E-02	4.98E-02	5.20E-02	2.97E-04	1.48E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Saginaw County	26145	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.81E-01	8.82E-01	5.74E-04	2.63E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Saginaw County	26145	U	Chloroform	8.55E-02	8.67E-02	8.83E-02	9.26E-02	9.26E-02	9.65E-02	1.00E-01	1.02E-01	3.64E-04	9.26E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Saginaw County	26145	U	Chromium Compounds (includes Hexavalent)	1.77E-04	2.76E-04	6.09E-04	1.64E-03	3.19E-03	2.61E-03	4.22E-03	7.30E-03	3.15E-03	1.68E-05	2.26E-05	1.02E-06	0.00E+00		
Michigan	Saginaw County	26145	U	Chromium VI	8.56E-05	1.22E-04	2.89E-04	7.15E-04	1.58E-03	1.30E-03	2.02E-03	3.38E-03	1.56E-03	8.11E-06	8.99E-06	3.47E-07	0.00E+00		
Michigan	Saginaw County	26145	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	1,4-Dichlorobenzene	8.71E-03	1.21E-02	1.82E-02	4.03E-02	4.15E-02	6.21E-02	7.49E-02	8.81E-02	6.56E-06	4.15E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	1,3-Dichloropropene	1.65E-02	2.32E-02	3.52E-02	8.01E-02	8.27E-02	1.25E-01	1.52E-01	1.79E-01	0.00E+00	8.27E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	1.39E-07	1.93E-06	0.00E+00	0.00E+00	7.70E-03		
Michigan	Saginaw County	26145	U	Ethylene Dichloride	6.11E-02	6.12E-02	6.13E-02	6.14E-02	6.15E-02	6.15E-02	6.17E-02	6.25E-02	4.21E-05	4.79E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Saginaw County	26145	U	Ethylene Oxide	1.40E-03	1.76E-03	2.45E-03	5.20E-03	5.50E-03	7.95E-03	9.54E-03	1.09E-02	6.69E-04	4.83E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Formaldehyde	3.23E-01	3.45E-01	3.98E-01	4.74E-01	5.28E-01	5.85E-01	7.82E-01	1.00E+00	6.75E-04	6.53E-03	2.14E-01	5.66E-02	2.50E-01		
Michigan	Saginaw County	26145	U	Hexachlorobenzene	9.32E-05	9.33E-05	9.34E-05	9.36E-05	9.36E-05	9.39E-05	9.41E-05	9.41E-05	0.00E+00	6.10E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Saginaw County	26145	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	8.44E-08	0.00E+00	0.00E+00	1.80E-03		
Michigan	Saginaw County	26145	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Hydrazine	5.28E-06	5.88E-06	1.08E-05	1.43E-05	1.76E-05	1.91E-05	2.65E-05	3.40E-05	1.76E-05	5.67E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Lead Compounds	1.56E-04	2.56E-04	4.64E-04	5.87E-04	7.09E-04	8.44E-04	1.19E-03	1.98E-03	6.65E-05	2.45E-04	0.00E+00	3.97E-04	0.00E+00		
Michigan	Saginaw County	26145	U	Manganese Compounds	5.12E-04	8.10E-04	1.91E-03	4.90E-03	1.22E-02	1.20E-02	2.18E-02	4.13E-02	7.92E-03	4.24E-03	7.25E-06	1.28E-06	0.00E+00		
Michigan	Saginaw County	26145	U	Mercury Compounds	1.51E-03	1.52E-03	1.53E-03	1.55E-03	1.56E-03	1.58E-03	1.63E-03	1.63E-03	2.75E-06	2.32E-05	2.83E-05	6.16E-06	1.50E-03		
Michigan	Saginaw County	26145	U	Methylene Chloride	1.71E-01	1.82E-01	2.03E-01	2.62E-01	2.69E-01	3.14E-01	3.74E-01	4.38E-01	2.99E-03	1.16E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Saginaw County	26145	U	Nickel Compounds	1.66E-04	3.61E-04	7.54E-04	1.37E-03	2.75E-03	2.78E-03	3.62E-03	6.24E-03	2.50E-03	2.08E-04	1.68E-05	1.59E-05	0.00E+00		
Michigan	Saginaw County	26145	U	Perchloroethylene	1.60E-01	1.71E-01	2.08E-01	2.51E-01	3.06E-01	3.99E-01	5.19E-01	5.45E-01	4.03E-03	1.62E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	Saginaw County	26145	U	Polychlorinated Biphenyls	3.98E-04	4.06E-04	4.16E-04	4.43E-04	4.48E-04	4.78E-04	5.04E-04	5.13E-04	0.00E+00	6.80E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Saginaw County	26145	U	Polycyclic Organic Matter	1.84E-02	2.04E-02	2.89E-02	4.67E-02	4.79E-02	6.21E-02	7.79E-02	8.41E-02	5.39E-05	3.79E-02	8.80E-03	1.13E-03	0.00E+00		
Michigan	Saginaw County	26145	U	7-PAH	7.67E-04	8.04E-04	8.60E-04	9.68E-04	1.03E-03	1.10E-03	1.34E-03	1.45E-03	4.11E-07	9.54E-04	5.91E-05	1.13E-05	0.00E+00		
Michigan	Saginaw County	26145	U	Propylene Dichloride	4.45E-05	5.60E-05	9.53E-05	1.22E-04	1.70E-04	1.63E-04	2.34E-04	3.69E-04	4.32E-06	1.66E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Saginaw County	26145	U	Quinoline	1.08E-08	1.66E-08	3.70E-08	7.58E-08	1.83E-07										

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					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	St. Clair County	26147	U	Mercury Compounds	1.53E-03	1.53E-03	1.54E-03	1.55E-03	1.59E-03	1.57E-03	1.66E-03	1.70E-03	4.32E-05	2.05E-05	2.18E-05	5.77E-06	1.50E-03		
Michigan	St. Clair County	26147	U	Methylene Chloride	1.63E-01	1.67E-01	1.76E-01	1.96E-01	2.08E-01	2.28E-01	2.68E-01	3.03E-01	1.49E-03	5.69E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	St. Clair County	26147	U	Nickel Compounds	8.45E-05	1.25E-04	2.80E-04	4.83E-04	1.42E-03	6.62E-04	1.20E-03	2.31E-03	1.21E-03	1.50E-04	1.28E-05	4.18E-05	0.00E+00		
Michigan	St. Clair County	26147	U	Perchloroethylene	1.49E-01	1.50E-01	1.61E-01	1.75E-01	1.92E-01	2.02E-01	2.68E-01	2.83E-01	2.26E-03	4.99E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	St. Clair County	26147	U	Polychlorinated Biphenyls	3.92E-04	3.92E-04	3.96E-04	4.25E-04	4.32E-04	4.60E-04	4.83E-04	5.09E-04	0.00E+00	5.19E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	St. Clair County	26147	U	Polycyclic Organic Matter	1.36E-02	1.59E-02	2.12E-02	2.68E-02	3.04E-02	3.79E-02	5.01E-02	5.84E-02	6.86E-05	2.33E-02	6.22E-03	8.12E-04	0.00E+00		
Michigan	St. Clair County	26147	U	7-PAH	4.18E-04	4.79E-04	5.29E-04	6.65E-04	7.33E-04	9.01E-04	1.08E-03	1.15E-03	1.09E-06	6.77E-04	4.23E-05	1.31E-05	0.00E+00		
Michigan	St. Clair County	26147	U	Propylene Dichloride	1.77E-05	1.89E-05	2.24E-05	4.21E-05	8.50E-05	8.79E-05	1.82E-04	2.28E-04	2.48E-05	6.02E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Clair County	26147	U	Quinoline	8.21E-09	1.09E-08	1.72E-08	2.63E-08	2.71E-06	5.90E-08	9.12E-08	1.15E-07	0.00E+00	2.71E-06	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Clair County	26147	U	1,1,2,2-Tetrachloroethane	1.23E-04	1.38E-04	1.77E-04	3.34E-04	6.95E-04	7.32E-04	1.60E-03	2.01E-03	2.27E-04	4.68E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Clair County	26147	U	Trichloroethylene	8.22E-02	8.26E-02	8.42E-02	8.66E-02	8.76E-02	8.99E-02	9.36E-02	9.81E-02	4.40E-04	6.17E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	St. Clair County	26147	U	Vinyl Chloride	5.12E-04	5.58E-04	8.10E-04	1.23E-03	2.02E-03	2.04E-03	4.26E-03	5.05E-03	5.59E-04	1.46E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	Acetaldehyde	1.35E-01	1.49E-01	1.58E-01	2.00E-01	1.93E-01	2.12E-01	2.44E-01	2.95E-01	5.11E-04	3.18E-03	1.68E-01	2.15E-02	0.00E+00		
Michigan	St. Joseph County	26149	R	Acrolein	1.89E-02	1.95E-02	2.18E-02	2.76E-02	2.81E-02	3.29E-02	3.76E-02	4.19E-02	9.32E-06	3.32E-03	2.07E-02	4.13E-03	0.00E+00		
Michigan	St. Joseph County	26149	R	Acrylonitrile	2.01E-04	2.58E-04	3.20E-04	5.14E-04	6.65E-04	7.11E-04	1.41E-03	2.38E-03	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	Arsenic Compounds	2.39E-05	2.42E-05	3.09E-05	4.20E-05	4.42E-05	5.26E-05	7.19E-05	7.71E-05	9.21E-06	3.91E-06	2.30E-05	8.08E-06	0.00E+00		
Michigan	St. Joseph County	26149	R	Benzene	7.09E-01	7.12E-01	7.37E-01	8.65E-01	9.09E-01	1.01E+00	1.24E+00	1.31E+00	1.00E-03	1.22E-01	2.53E-01	5.37E-02	4.80E-01		
Michigan	St. Joseph County	26149	R	Benzidine	0.00E+00	0.00E+00	2.17E-08	2.63E-08	2.60E-08	3.17E-08	4.12E-08	7.15E-08	0.00E+00	2.60E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	Beryllium Compounds	9.82E-07	1.06E-06	1.79E-06	2.56E-06	2.96E-06	3.49E-06	4.59E-06	8.46E-06	3.85E-07	1.88E-06	0.00E+00	6.94E-07	0.00E+00		
Michigan	St. Joseph County	26149	R	1,3-Butadiene	7.92E-03	8.14E-03	9.28E-03	1.72E-02	2.18E-02	3.03E-02	4.93E-02	4.99E-02	1.13E-06	2.88E-04	1.72E-02	4.42E-03	0.00E+00		
Michigan	St. Joseph County	26149	R	Cadmium Compounds	5.96E-06	6.23E-06	9.14E-06	1.12E-05	1.54E-05	2.31E-05	2.52E-05	2.80E-05	1.87E-06	1.28E-05	0.00E+00	6.92E-07	0.00E+00		
Michigan	St. Joseph County	26149	R	Carbon Disulfide	4.73E-02	4.73E-02	4.78E-02	4.83E-02	4.83E-02	4.87E-02	4.93E-02	4.98E-02	4.61E-06	1.32E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	St. Joseph County	26149	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	4.54E-06	2.67E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	St. Joseph County	26149	R	Chloroform	8.49E-02	8.54E-02	8.59E-02	8.81E-02	8.81E-02	8.94E-02	9.14E-02	9.36E-02	3.00E-05	5.03E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	St. Joseph County	26149	R	Chromium Compounds (includes Hexavalent)	4.47E-05	4.51E-05	2.33E-04	2.94E-04	3.28E-04	4.58E-04	5.57E-04	8.70E-04	3.41E-05	2.78E-04	1.52E-05	7.29E-07	0.00E+00		
Michigan	St. Joseph County	26149	R	Chromium VI	1.29E-05	1.55E-05	6.04E-05	8.19E-05	9.29E-05	1.32E-04	1.54E-04	2.62E-04	7.06E-06	7.95E-05	6.04E-06	2.48E-07	0.00E+00		
Michigan	St. Joseph County	26149	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	1,4-Dichlorobenzene	9.90E-03	1.08E-02	1.16E-02	1.94E-02	2.59E-02	3.78E-02	5.39E-02	5.89E-02	0.00E+00	2.59E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	1,3-Dichloropropene	1.94E-02	2.07E-02	2.24E-02	3.79E-02	5.16E-02	7.63E-02	1.09E-01	1.20E-01	0.00E+00	5.16E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	6.75E-09	4.77E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	St. Joseph County	26149	R	Ethylene Dichloride	6.14E-02	6.15E-02	6.16E-02	6.17E-02	6.18E-02	6.18E-02	6.21E-02	6.29E-02	6.01E-04	1.89E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	St. Joseph County	26149	R	Ethylene Oxide	8.85E-04	9.38E-04	1.03E-03	1.88E-03	2.59E-03	3.90E-03	5.85E-03	8.66E-03	2.22E-08	2.59E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	St. Joseph County	26149	R	Formaldehyde	4.13E-01	4.38E-01	4.62E-01	5.00E-01	5.07E-01	5.37E-01	6.07E-01	6.52E-01	5.26E-02	8.39E-03	1.47E-01	4.96E-02	2.50E-01		
Michigan	St. Joseph County	26149	R	Hexachlorobenzene	9.34E-05	9.34E-05	9.34E-05	9.37E-05	9.40E-05	9.46E-05	9.51E-05	9.55E-05	0.00E+00	1.04E-06	0.00E+00	0.00E+00	9.30E-05		
Michigan	St. Joseph County	26149	R	Hexach															

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts							Contribution to Average from ...					
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Sanilac County	26151	R	Chromium VI	5.33E-07	9.14E-07	1.67E-06	4.44E-06	1.13E-05	5.23E-06	4.81E-05	6.55E-05	8.53E-06	1.34E-06	1.40E-06	8.02E-08	0.00E+00
Michigan	Sanilac County	26151	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	1,4-Dichlorobenzene	8.37E-04	2.26E-03	3.61E-03	4.47E-03	6.00E-03	6.35E-03	1.16E-02	2.11E-02	0.00E+00	6.00E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	1,3-Dichloropropene	1.54E-03	4.39E-03	6.85E-03	8.52E-03	1.17E-02	1.21E-02	2.31E-02	4.23E-02	0.00E+00	1.17E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	3.71E-09	6.39E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Sanilac County	26151	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.14E-02	1.83E-07	1.05E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Sanilac County	26151	R	Ethylene Oxide	9.08E-05	2.31E-04	3.70E-04	4.60E-04	6.12E-04	6.36E-04	1.14E-03	2.05E-03	0.00E+00	6.12E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Formaldehyde	2.65E-01	2.85E-01	2.97E-01	3.08E-01	3.11E-01	3.20E-01	3.35E-01	3.80E-01	2.20E-04	2.89E-03	3.37E-02	2.42E-02	2.50E-01
Michigan	Sanilac County	26151	R	Hexachlorobenzene	9.30E-05	9.31E-05	9.32E-05	9.32E-05	9.34E-05	9.33E-05	9.38E-05	9.58E-05	0.00E+00	4.41E-07	0.00E+00	0.00E+00	9.30E-05
Michigan	Sanilac County	26151	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.34E-08	0.00E+00	0.00E+00	1.80E-03
Michigan	Sanilac County	26151	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Hydrazine	2.49E-11	3.04E-11	7.01E-11	1.59E-10	1.23E-09	7.10E-10	4.35E-09	8.86E-09	0.00E+00	1.23E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Lead Compounds	1.63E-05	6.79E-05	8.09E-05	1.85E-04	1.61E-04	2.09E-04	2.78E-04	3.20E-04	4.08E-05	7.69E-05	0.00E+00	4.29E-05	0.00E+00
Michigan	Sanilac County	26151	R	Manganese Compounds	5.71E-06	6.31E-06	9.77E-06	1.64E-05	3.26E-05	2.18E-05	9.42E-05	1.36E-04	1.47E-05	1.63E-05	1.12E-06	4.41E-07	0.00E+00
Michigan	Sanilac County	26151	R	Mercury Compounds	1.50E-03	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.52E-03	1.52E-03	1.53E-03	7.37E-07	4.86E-06	6.84E-06	2.77E-06	1.50E-03
Michigan	Sanilac County	26151	R	Methylene Chloride	1.53E-01	1.54E-01	1.58E-01	1.60E-01	1.64E-01	1.64E-01	1.75E-01	1.98E-01	1.21E-06	1.38E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Sanilac County	26151	R	Nickel Compounds	8.08E-06	1.06E-05	1.70E-05	3.08E-05	4.44E-05	4.04E-05	1.22E-04	1.31E-04	1.12E-05	2.66E-05	2.66E-06	4.04E-06	0.00E+00
Michigan	Sanilac County	26151	R	Perchloroethylene	1.41E-01	1.42E-01	1.44E-01	1.45E-01	1.47E-01	1.48E-01	1.54E-01	1.60E-01	1.79E-07	6.57E-03	0.00E+00	0.00E+00	1.40E-01
Michigan	Sanilac County	26151	R	Polychlorinated Biphenyls	3.84E-04	3.90E-04	3.94E-04	3.98E-04	4.27E-04	4.08E-04	4.69E-04	7.01E-04	0.00E+00	4.67E-05	0.00E+00	0.00E+00	3.80E-04
Michigan	Sanilac County	26151	R	Polycyclic Organic Matter	1.92E-03	6.42E-03	7.67E-03	9.00E-03	1.10E-02	1.31E-02	1.62E-02	2.94E-02	1.29E-06	9.43E-03	1.32E-03	2.25E-04	0.00E+00
Michigan	Sanilac County	26151	R	7-PAH	9.33E-05	3.23E-04	3.35E-04	4.12E-04	5.27E-04	5.34E-04	7.32E-04	1.90E-03	1.46E-08	5.12E-04	1.03E-05	3.95E-06	0.00E+00
Michigan	Sanilac County	26151	R	Propylene Dichloride	9.69E-06	1.46E-05	2.08E-05	2.96E-05	5.19E-05	6.48E-05	1.34E-04	1.98E-04	0.00E+00	5.19E-05	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Quinoline	4.96E-10	8.45E-10	1.34E-09	4.48E-09	8.87E-09	1.24E-08	2.20E-08	2.66E-08	0.00E+00	8.87E-09	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	1,1,2,2-Tetrachloroethane	7.61E-05	1.22E-04	1.81E-04	2.66E-04	4.53E-04	5.17E-04	1.21E-03	1.78E-03	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Sanilac County	26151	R	Trichloroethylene	8.13E-02	8.15E-02	8.18E-02	8.19E-02	8.26E-02	8.26E-02	8.40E-02	8.81E-02	0.00E+00	1.59E-03	0.00E+00	0.00E+00	8.10E-02
Michigan	Sanilac County	26151	R	Vinyl Chloride	2.01E-04	3.49E-04	4.86E-04	7.15E-04	1.18E-03	1.41E-03	3.02E-03	4.49E-03	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Schoolcraft County	26153	R	Acetaldehyde	2.71E-02	2.71E-02	3.04E-02	3.61E-02	3.77E-02	4.49E-02	5.13E-02	5.13E-02	9.51E-05	1.38E-03	8.10E-03	2.81E-02	0.00E+00
Michigan	Schoolcraft County	26153	R	Acrolein	3.28E-03	3.28E-03	4.26E-03	5.42E-03	5.78E-03	7.31E-03	9.01E-03	9.01E-03	1.23E-05	2.42E-03	9.52E-04	2.40E-03	0.00E+00
Michigan	Schoolcraft County	26153	R	Acrylonitrile	2.14E-05	2.14E-05	7.96E-05	3.47E-04	3.72E-04	6.65E-04	7.74E-04	7.74E-04	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Schoolcraft County	26153	R	Arsenic Compounds	1.60E-06	1.60E-06	1.79E-06	2.54E-06	5.52E-06	9.25E-06	1.54E-05	1.54E-05	1.48E-06	6.23E-07	1.90E-06	1.51E-06	0.00E+00
Michigan	Schoolcraft County	26153	R	Benzene	5.20E-01	5.20E-01	5.22E-01	5.25E-01	5.66E-01	6.10E-01	6.95E-01	6.95E-01	2.10E-05	3.56E-02	1.84E-02	3.23E-02	4.80E-01
Michigan	Schoolcraft County	26153	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Schoolcraft County	26153	R	Beryllium Compounds	3.92E-08	3.92E-08	4.08E-08	1.01E-07	7.85E-07	1.53E-06	2.90E-06	2.90E-06	5.44E-07	2.31E-07	0.00E+00	9.91E-09	0.00E+00
Michigan	Schoolcraft County	26153	R	1,3-Butadiene	1.64E-03	1.64E-03	1.88E-03	2.21E-03	4.25E-03	6.62E-03	1.10E-02	1.10E-02	0.00E+00	5.52E-04	1.84E-03	1.87E-03	0.00E+00
Michigan	Schoolcraft County	26153	R	Cadmium Compounds	3.74E-07	3.74											

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Schoolcraft County	26153	R	Vinyl Chloride	5.97E-05	5.97E-05	2.43E-04	6.98E-04	6.42E-04	1.04E-03	1.11E-03	1.11E-03	0.00E+00	6.42E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Acetaldehyde	1.29E-01	1.33E-01	1.47E-01	1.73E-01	1.93E-01	2.43E-01	2.68E-01	2.82E-01	7.29E-05	2.26E-03	1.73E-01	1.80E-02	0.00E+00		
Michigan	Shiawassee County	26155	R	Acrolein	1.62E-02	1.91E-02	2.26E-02	2.54E-02	2.55E-02	2.93E-02	3.12E-02	3.13E-02	7.04E-06	2.37E-03	1.98E-02	3.27E-03	0.00E+00		
Michigan	Shiawassee County	26155	R	Acrylonitrile	4.30E-04	5.64E-04	6.32E-04	9.41E-04	1.14E-03	1.44E-03	1.70E-03	3.41E-03	9.64E-05	1.04E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Arsenic Compounds	4.30E-05	4.96E-05	5.46E-05	5.58E-05	6.20E-05	6.53E-05	8.47E-05	9.98E-05	2.85E-05	7.79E-06	1.98E-05	5.91E-06	0.00E+00		
Michigan	Shiawassee County	26155	R	Benzene	6.66E-01	6.96E-01	7.79E-01	8.47E-01	8.45E-01	9.00E-01	9.92E-01	1.00E+00	9.16E-04	1.17E-01	2.14E-01	3.35E-02	4.80E-01		
Michigan	Shiawassee County	26155	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Beryllium Compounds	1.01E-06	1.17E-06	1.55E-06	1.77E-06	2.38E-06	3.33E-06	4.81E-06	5.03E-06	3.37E-08	1.56E-06	0.00E+00	7.90E-07	0.00E+00		
Michigan	Shiawassee County	26155	R	1,3-Butadiene	6.04E-03	6.88E-03	1.07E-02	1.42E-02	1.48E-02	1.85E-02	2.36E-02	2.69E-02	0.00E+00	1.23E-04	1.22E-02	2.50E-03	0.00E+00		
Michigan	Shiawassee County	26155	R	Cadmium Compounds	7.49E-06	1.09E-05	1.28E-05	1.36E-05	1.43E-05	1.55E-05	1.85E-05	2.38E-05	2.67E-06	1.08E-05	0.00E+00	7.89E-07	0.00E+00		
Michigan	Shiawassee County	26155	R	Carbon Disulfide	4.72E-02	4.73E-02	4.73E-02	4.76E-02	4.79E-02	4.87E-02	4.88E-02	4.88E-02	1.64E-05	8.92E-04	0.00E+00	0.00E+00	4.70E-02		
Michigan	Shiawassee County	26155	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	8.81E-01	8.81E-01	1.78E-07	2.52E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Shiawassee County	26155	R	Chloroform	8.61E-02	8.69E-02	8.81E-02	8.97E-02	9.09E-02	9.55E-02	9.66E-02	9.76E-02	2.74E-06	7.93E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Shiawassee County	26155	R	Chromium Compounds (includes Hexavalent)	4.67E-05	5.34E-05	1.52E-04	2.29E-04	2.56E-04	3.52E-04	4.82E-04	5.20E-04	1.08E-04	1.34E-04	1.35E-05	5.85E-07	0.00E+00		
Michigan	Shiawassee County	26155	R	Chromium VI	2.21E-05	2.31E-05	3.76E-05	8.77E-05	8.31E-05	1.22E-04	1.56E-04	1.72E-04	2.85E-05	4.90E-05	5.35E-06	1.99E-07	0.00E+00		
Michigan	Shiawassee County	26155	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	1,4-Dichlorobenzene	1.00E-02	1.32E-02	1.65E-02	2.43E-02	2.97E-02	4.78E-02	5.36E-02	5.93E-02	8.86E-06	2.97E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	1,3-Dichloropropene	1.89E-02	2.53E-02	3.16E-02	4.74E-02	5.88E-02	9.59E-02	1.08E-01	1.19E-01	0.00E+00	5.88E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	8.25E-08	6.58E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Shiawassee County	26155	R	Ethylene Dichloride	6.11E-02	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.13E-02	6.14E-02	6.14E-02	1.26E-05	1.96E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Shiawassee County	26155	R	Ethylene Oxide	1.09E-03	1.38E-03	1.73E-03	2.74E-03	3.10E-03	4.90E-03	5.44E-03	6.07E-03	0.00E+00	3.10E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Formaldehyde	3.65E-01	3.78E-01	3.97E-01	4.19E-01	4.28E-01	4.65E-01	4.95E-01	5.00E-01	3.09E-05	5.01E-03	1.34E-01	3.87E-02	2.50E-01		
Michigan	Shiawassee County	26155	R	Hexachlorobenzene	9.32E-05	9.33E-05	9.34E-05	9.38E-05	9.39E-05	9.45E-05	9.49E-05	9.51E-05	0.00E+00	9.36E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Shiawassee County	26155	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.16E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Shiawassee County	26155	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Hydrazine	4.49E-10	4.51E-10	4.56E-10	4.86E-10	5.71E-10	5.96E-10	7.33E-10	1.35E-09	0.00E+00	5.71E-10	0.00E+00	0.00E+00	0.00E+00		
Michigan	Shiawassee County	26155	R	Lead Compounds	2.16E-04	2.63E-04	2.89E-04	5.05E-04	8.12E-04	1.03E-03	1.25E-03	4.24E-03	1.52E-05	7.46E-05	0.00E+00	7.22E-04	0.00E+00		
Michigan	Shiawassee County	26155	R	Manganese Compounds	3.24E-05	4.19E-05	6.03E-05	2.12E-04	1.80E-04	2.40E-04	2.78E-04	4.65E-04	8.32E-05	9.17E-05	4.18E-06	5.87E-07	0.00E+00		
Michigan	Shiawassee County	26155	R	Mercury Compounds	1.53E-03	1.53E-03	1.54E-03	1.54E-03	1.55E-03	1.55E-03	1.56E-03	1.59E-03	3.18E-06	1.08E-03	2.21E-05	5.76E-06	1.50E-03		
Michigan	Shiawassee County	26155	R	Methylene Chloride	1.75E-01	1.78E-01	1.88E-01	1.93E-01	2.14E-01	2.23E-01	3.09E-01	3.21E-01	3.39E-04	6.35E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Shiawassee County	26155	R	Nickel Compounds	3.68E-05	4.75E-05	4.98E-05	1.73E-04	1.67E-04	2.67E-04	3.30E-04	3.78E-04	1.88E-05	1.37E-04	1.01E-05	1.05E-06	0.00E+00		
Michigan	Shiawassee County	26155	R	Perchloroethylene	1.62E-01	1.63E-01	1.68E-01	1.78E-01	1.79E-01	1.91E-01	1.94E-01	1.97E-01	1.70E-04	3.84E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Shiawassee County	26155	R	Polychlorinated Biphenyls	4.02E-04	4.07E-04	4.20E-04	4.72E-04	4.93E-04	5.71E-04	6.24E-04	6.41E-04	0.00E+00	1.13E-04	0.00E+00	0.00E+00	3.80E-04		
Michigan	Shiawassee County	26155	R	Polycyclic Organic Matter	1.73E-02	2.07E-02	2.79E-02	3.75E-02	3.86E-02	5.02E-02	5.57E-02	6.20E-02	2.60E-04	3.22E-02	5.28E				

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Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Tuscola County	26157	R	Hydrazine	4.60E-10	8.48E-10	8.93E-10	1.75E-09	1.22E-06	3.02E-09	4.20E-06	1.29E-05	1.22E-06	3.27E-09	0.00E+00	0.00E+00	0.00E+00		
Michigan	Tuscola County	26157	R	Lead Compounds	2.58E-04	2.70E-04	3.37E-04	4.51E-04	6.80E-04	6.16E-04	2.05E-03	2.10E-03	3.00E-04	2.26E-04	0.00E+00	1.55E-04	0.00E+00		
Michigan	Tuscola County	26157	R	Manganese Compounds	1.19E-04	1.41E-04	2.09E-04	6.05E-04	6.89E-04	9.57E-04	1.14E-03	2.13E-03	3.08E-04	3.78E-04	2.20E-06	3.95E-07	0.00E+00		
Michigan	Tuscola County	26157	R	Mercury Compounds	1.51E-03	1.52E-03	1.52E-03	1.53E-03	1.53E-03	1.53E-03	1.54E-03	1.57E-03	6.22E-06	8.40E-06	1.17E-05	3.33E-06	1.50E-03		
Michigan	Tuscola County	26157	R	Methylene Chloride	1.62E-01	1.63E-01	1.67E-01	1.75E-01	1.89E-01	1.95E-01	2.04E-01	3.29E-01	7.86E-04	3.83E-02	0.00E+00	0.00E+00	1.50E-01		
Michigan	Tuscola County	26157	R	Nickel Compounds	2.47E-05	4.09E-05	1.94E-04	5.65E-04	5.37E-04	7.64E-04	1.03E-03	1.11E-03	4.73E-04	5.68E-05	5.39E-06	1.93E-06	0.00E+00		
Michigan	Tuscola County	26157	R	Perchloroethylene	1.45E-01	1.50E-01	1.52E-01	1.65E-01	1.69E-01	1.83E-01	1.88E-01	2.25E-01	5.95E-04	2.83E-02	0.00E+00	0.00E+00	1.40E-01		
Michigan	Tuscola County	26157	R	Polychlorinated Biphenyls	3.92E-04	4.00E-04	4.03E-04	4.15E-04	4.24E-04	4.32E-04	4.59E-04	5.08E-04	0.00E+00	4.40E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Tuscola County	26157	R	Polycyclic Organic Matter	7.07E-03	9.87E-03	1.10E-02	1.95E-02	2.10E-02	2.98E-02	3.14E-02	4.13E-02	1.08E-04	1.77E-02	2.82E-03	3.59E-04	0.00E+00		
Michigan	Tuscola County	26157	R	7-PAH	2.54E-04	3.65E-04	5.01E-04	7.81E-04	8.17E-04	1.15E-03	1.27E-03	1.53E-03	2.16E-07	7.92E-04	2.04E-05	4.24E-06	0.00E+00		
Michigan	Tuscola County	26157	R	Propylene Dichloride	1.88E-05	2.83E-05	3.52E-05	6.70E-05	1.96E-04	7.67E-05	8.54E-05	2.02E-03	9.73E-06	1.86E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Tuscola County	26157	R	Quinoline	9.68E-09	1.03E-08	1.25E-08	2.06E-08	2.57E-08	3.14E-08	4.90E-08	7.25E-08	0.00E+00	2.57E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Tuscola County	26157	R	1,1,2,2-Tetrachloroethane	1.66E-04	2.56E-04	3.18E-04	6.06E-04	1.79E-03	6.93E-04	7.70E-04	1.85E-02	8.91E-05	1.70E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Tuscola County	26157	R	Trichloroethylene	8.23E-02	8.24E-02	8.25E-02	8.38E-02	8.67E-02	8.56E-02	8.66E-02	1.23E-01	1.71E-04	5.49E-03	0.00E+00	0.00E+00	8.10E-02		
Michigan	Tuscola County	26157	R	Vinyl Chloride	6.00E-04	7.10E-04	8.78E-04	1.75E-03	4.67E-03	2.22E-03	2.36E-03	4.61E-02	2.20E-04	4.45E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	Acetaldehyde	3.50E-02	1.01E-01	1.30E-01	1.57E-01	1.72E-01	2.01E-01	2.46E-01	3.61E-01	1.95E-03	1.88E-03	1.46E-01	2.24E-02	0.00E+00		
Michigan	Van Buren County	26159	U	Acrolein	8.75E-03	1.58E-02	1.82E-02	2.15E-02	2.20E-02	2.47E-02	3.23E-02	3.32E-02	9.55E-06	2.41E-03	1.68E-02	2.83E-03	0.00E+00		
Michigan	Van Buren County	26159	U	Acrylonitrile	2.76E-04	2.80E-04	4.67E-04	5.47E-04	8.60E-04	8.30E-04	1.83E-03	3.45E-03	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	Arsenic Compounds	4.61E-06	1.54E-05	2.10E-05	2.79E-05	2.81E-05	3.30E-05	4.90E-05	5.31E-05	4.03E-06	1.88E-06	1.83E-05	3.93E-06	0.00E+00		
Michigan	Van Buren County	26159	U	Benzene	5.78E-01	6.64E-01	7.09E-01	7.46E-01	8.23E-01	8.96E-01	1.13E+00	1.32E+00	5.73E-04	1.06E-01	1.96E-01	4.04E-02	4.80E-01		
Michigan	Van Buren County	26159	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	Beryllium Compounds	1.86E-07	8.71E-07	1.02E-06	1.73E-06	1.69E-06	2.24E-06	2.91E-06	3.10E-06	3.99E-07	1.08E-06	0.00E+00	2.06E-07	0.00E+00		
Michigan	Van Buren County	26159	U	1,3-Butadiene	2.22E-03	5.37E-03	7.38E-03	9.77E-03	1.61E-02	2.30E-02	3.23E-02	4.68E-02	8.92E-07	1.97E-04	1.26E-02	3.28E-03	0.00E+00		
Michigan	Van Buren County	26159	U	Cadmium Compounds	1.62E-06	2.18E-06	1.04E-05	1.21E-05	1.50E-05	2.20E-05	2.77E-05	3.50E-05	4.95E-07	1.43E-05	0.00E+00	2.10E-07	0.00E+00		
Michigan	Van Buren County	26159	U	Carbon Disulfide	4.71E-02	4.73E-02	4.74E-02	4.74E-02	4.84E-02	4.75E-02	4.84E-02	6.26E-02	5.93E-05	1.32E-03	0.00E+00	0.00E+00	4.70E-02		
Michigan	Van Buren County	26159	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.85E-01	5.13E-05	3.59E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Van Buren County	26159	U	Chloroform	8.43E-02	8.55E-02	8.64E-02	8.71E-02	8.85E-02	8.72E-02	9.01E-02	1.14E-01	3.05E-04	5.23E-03	0.00E+00	0.00E+00	8.30E-02		
Michigan	Van Buren County	26159	U	Chromium Compounds (includes Hexavalent)	6.35E-06	1.57E-05	3.63E-05	5.51E-05	7.83E-05	7.62E-05	2.15E-04	2.78E-04	1.51E-05	5.08E-05	1.19E-05	5.25E-07	0.00E+00		
Michigan	Van Buren County	26159	U	Chromium VI	3.07E-06	9.43E-06	1.56E-05	2.52E-05	3.79E-05	4.84E-05	8.68E-05	1.15E-04	4.76E-06	2.82E-05	4.76E-06	1.79E-07	0.00E+00		
Michigan	Van Buren County	26159	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	1,4-Dichlorobenzene	2.45E-03	1.06E-02	1.18E-02	1.44E-02	1.93E-02	2.06E-02	4.63E-02	4.83E-02	0.00E+00	1.93E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	1,3-Dichloropropene	4.38E-03	2.04E-02	2.26E-02	2.82E-02	3.80E-02	4.06E-02	9.20E-02	9.76E-02	0.00E+00	3.80E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Van Buren County	26159	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	9.03E-09	4.47E-07	0.00E+00	0.00E+00	7.70E-03		
Michigan	Van Buren County	26159	U	Ethylene Dichloride	6.10E-02	6.11E-02	6.11E-02	6.11E-02	6.13E-02	6.15E-02	6.16E-02	6.20E-02	1.29E-04	1.73E-0					

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State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts										Contribution to Average from ...				
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background		
Michigan	Washtenaw County	26161	U	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.81E-01	2.52E-06	3.13E-04	0.00E+00	0.00E+00	8.80E-01		
Michigan	Washtenaw County	26161	U	Chloroform	9.46E-02	1.00E-01	1.11E-01	1.27E-01	1.31E-01	1.40E-01	1.51E-01	2.05E-01	1.52E-05	4.76E-02	0.00E+00	0.00E+00	8.30E-02		
Michigan	Washtenaw County	26161	U	Chromium Compounds (includes Hexavalent)	1.01E-04	1.29E-04	1.62E-04	2.05E-04	6.10E-04	3.70E-04	1.92E-03	2.48E-03	4.41E-04	1.12E-04	5.31E-05	3.06E-06	0.00E+00		
Michigan	Washtenaw County	26161	U	Chromium VI	3.39E-05	3.59E-05	4.88E-05	6.63E-05	7.27E-05	8.53E-05	1.04E-04	1.38E-04	1.49E-05	3.55E-05	2.12E-05	1.04E-06	0.00E+00		
Michigan	Washtenaw County	26161	U	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	1.03E-04	3.89E-03	8.13E-03	9.02E-03	9.90E-03	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	1,4-Dichlorobenzene	1.83E-02	3.04E-02	4.85E-02	6.97E-02	7.68E-02	8.84E-02	1.10E-01	1.88E-01	1.26E-04	7.67E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	1,3-Dichloropropene	3.41E-02	5.64E-02	9.20E-02	1.36E-01	1.51E-01	1.75E-01	2.18E-01	3.80E-01	0.00E+00	1.51E-01	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.79E-07	1.04E-06	0.00E+00	0.00E+00	7.70E-03		
Michigan	Washtenaw County	26161	U	Ethylene Dichloride	6.11E-02	6.11E-02	6.12E-02	6.12E-02	6.13E-02	6.14E-02	6.15E-02	6.16E-02	1.67E-04	1.02E-04	0.00E+00	0.00E+00	6.10E-02		
Michigan	Washtenaw County	26161	U	Ethylene Oxide	1.94E-03	3.27E-03	5.29E-03	8.23E-03	1.01E-02	1.01E-02	1.47E-02	2.31E-02	9.85E-07	1.01E-02	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Formaldehyde	4.97E-01	5.48E-01	6.91E-01	8.33E-01	9.62E-01	1.09E+00	1.51E+00	1.86E+00	1.75E-03	1.31E-02	5.02E-01	1.95E-01	2.50E-01		
Michigan	Washtenaw County	26161	U	Hexachlorobenzene	9.33E-05	9.33E-05	9.34E-05	9.37E-05	9.37E-05	9.40E-05	9.43E-05	9.44E-05	0.00E+00	7.44E-07	0.00E+00	0.00E+00	9.30E-05		
Michigan	Washtenaw County	26161	U	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.67E-07	0.00E+00	0.00E+00	1.80E-03		
Michigan	Washtenaw County	26161	U	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Hydrazine	1.25E-09	2.08E-09	4.14E-09	7.79E-09	5.02E-08	1.79E-08	4.55E-08	7.96E-08	0.00E+00	5.02E-08	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Lead Compounds	5.38E-04	6.74E-04	1.31E-03	2.34E-03	2.43E-03	3.03E-03	4.55E-03	5.85E-03	9.12E-05	3.27E-04	0.00E+00	2.01E-03	0.00E+00		
Michigan	Washtenaw County	26161	U	Manganese Compounds	6.60E-05	7.56E-05	1.16E-04	2.62E-04	4.17E-04	6.89E-04	8.11E-04	8.93E-04	2.90E-04	1.07E-04	3.93E-05	2.11E-06	0.00E+00		
Michigan	Washtenaw County	26161	U	Mercury Compounds	1.56E-03	1.58E-03	1.60E-03	1.63E-03	1.64E-03	1.65E-03	1.70E-03	1.78E-03	3.29E-05	3.41E-05	5.94E-05	1.21E-05	1.50E-03		
Michigan	Washtenaw County	26161	U	Methylene Chloride	2.03E-01	2.38E-01	2.69E-01	3.16E-01	4.09E-01	3.57E-01	4.58E-01	8.57E-01	4.88E-03	2.54E-01	0.00E+00	0.00E+00	1.50E-01		
Michigan	Washtenaw County	26161	U	Nickel Compounds	1.16E-04	1.42E-04	2.33E-04	3.12E-04	3.41E-04	4.38E-04	5.84E-04	6.36E-04	1.15E-04	1.78E-04	3.93E-05	8.46E-06	0.00E+00		
Michigan	Washtenaw County	26161	U	Perchloroethylene	1.74E-01	1.91E-01	2.42E-01	2.55E-01	2.66E-01	2.77E-01	3.56E-01	4.22E-01	2.58E-03	1.23E-01	0.00E+00	0.00E+00	1.40E-01		
Michigan	Washtenaw County	26161	U	Polychlorinated Biphenyls	4.11E-04	4.14E-04	4.27E-04	4.60E-04	4.65E-04	4.93E-04	5.31E-04	5.41E-04	1.47E-09	8.53E-05	0.00E+00	0.00E+00	3.80E-04		
Michigan	Washtenaw County	26161	U	Polycyclic Organic Matter	3.69E-02	4.54E-02	6.62E-02	9.00E-02	9.32E-02	1.08E-01	1.35E-01	1.61E-01	7.86E-03	6.04E-02	1.99E-02	5.00E-03	0.00E+00		
Michigan	Washtenaw County	26161	U	7-PAH	9.26E-04	1.02E-03	1.17E-03	1.35E-03	1.39E-03	1.50E-03	1.70E-03	2.03E-03	8.61E-07	1.21E-03	1.31E-04	4.48E-05	0.00E+00		
Michigan	Washtenaw County	26161	U	Propylene Dichloride	4.39E-05	4.88E-05	7.09E-05	8.95E-05	1.19E-04	1.50E-04	2.19E-04	2.76E-04	8.32E-05	3.54E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Quinoline	3.01E-08	3.63E-08	4.80E-08	9.29E-08	6.39E-05	1.48E-04	1.66E-04	1.83E-04	0.00E+00	6.39E-05	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	1,1,2,2-Tetrachloroethane	3.76E-04	4.32E-04	6.26E-04	7.82E-04	1.04E-03	1.33E-03	1.99E-03	2.51E-03	7.62E-04	2.83E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Washtenaw County	26161	U	Trichloroethylene	8.60E-02	8.96E-02	9.28E-02	9.71E-02	1.08E-01	1.02E-01	1.09E-01	1.31E-01	1.49E-03	2.51E-02	0.00E+00	0.00E+00	8.10E-02		
Michigan	Washtenaw County	26161	U	Vinyl Chloride	1.25E-03	1.34E-03	1.88E-03	2.30E-03	2.99E-03	3.76E-03	5.23E-03	6.65E-03	1.88E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00		
Michigan	Wayne County	26163	U	Acetaldehyde	6.18E-01	6.88E-01	7.78E-01	9.12E-01	1.15E+00	1.16E+00	2.14E+00	2.67E+00	4.61E-02	1.05E-02	9.74E-01	1.15E-01	0.00E+00		
Michigan	Wayne County	26163	U	Acrolein	1.06E-01	1.16E-01	1.34E-01	1.50E-01	1.53E-01	1.67E-01	1.93E-01	2.20E-01	1.77E-04	1.14E-02	1.14E-01	2.74E-02	0.00E+00		
Michigan	Wayne County	26163	U	Acrylonitrile	2.19E-03	2.30E-03	2.42E-03	2.62E-03	4.07E-03	3.10E-03	4.72E-03	6.55E-03	3.19E-03	8.81E-04	0.00E+00	0.00E+00	0.00E+00		
Michigan	Wayne County	26163	U	Arsenic Compounds	9.73E-05	1.08E-04	1.19E-04	1.32E-04	1.61E-04	1.66E-04	2.69E-04	3.30E-04	1.02E-05	2.92E-05	1.01E-04	2.02E-05	0.00E+00		
Michigan	Wayne County	26163	U	Benzene	1.66E+00	1.86E+00	2.02E+00	2.27E+00	2.64E+00	2.69E+00	4.19E+00	5.25E+00	9.50E-03	3.10E-01	1.65E+00	1.84E-01	4.80E-01		
Michigan	Wayne County	26163	U	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00		
Michigan	Wayne County	26163	U	Beryllium Compounds	6.55E-06	7.35E-06	8.33E-06	9.89E-06	1.11E-05	1.28E-05	1.64E-05	1.96E-05	1.35E-06	9.04E-06	0.00E+00	7.06E-07	0.00E+00		
Michigan	Wayne County	26163	U	1,3-Butadiene	4.41E-02	5.20E-02	6.09E-02	7.41E-02	1.22E-01	1.15E-01	2.96E-01	4.03E-01	1.17E-04	8.60E-05	1.05E-01				

DRAFT FOR REVIEW ONLY
Estimated Annual Average Ambient Concentrations µg/m3 for Michigan

State	County	FIPS	Urban or Rural	Pollutant	Percentile Distribution of Ambient Concentrations Across Census Tracts							Contribution to Average from ...					
					5th	10th	25th	Median	Average	75th	90th	95th	Major	Area and Other	Onroad Mobile	Nonroad Mobile	Estimated Background
Michigan	Wayne County	26163	U	Quinoline	1.75E-04	2.14E-04	3.10E-04	5.40E-04	8.25E-04	9.20E-04	1.60E-03	2.38E-03	0.00E+00	8.25E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Wayne County	26163	U	1,1,2,2-Tetrachloroethane	1.04E-03	1.15E-03	1.27E-03	1.37E-03	2.11E-03	1.64E-03	2.51E-03	3.48E-03	1.77E-03	3.38E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Wayne County	26163	U	Trichloroethylene	1.02E-01	1.05E-01	1.11E-01	1.17E-01	1.27E-01	1.27E-01	1.44E-01	1.71E-01	3.46E-03	4.30E-02	0.00E+00	0.00E+00	8.10E-02
Michigan	Wayne County	26163	U	Vinyl Chloride	3.21E-03	3.41E-03	3.61E-03	3.99E-03	6.96E-03	4.79E-03	7.11E-03	9.94E-03	4.35E-03	2.60E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Acetaldehyde	4.11E-02	4.11E-02	5.21E-02	6.73E-02	1.09E-01	1.88E-01	2.16E-01	2.16E-01	2.51E-04	2.33E-03	8.57E-02	2.06E-02	0.00E+00
Michigan	Wexford County	26165	R	Acrolein	8.97E-03	8.97E-03	1.01E-02	1.40E-02	1.83E-02	2.59E-02	3.78E-02	3.78E-02	7.22E-07	4.74E-03	1.02E-02	3.38E-03	0.00E+00
Michigan	Wexford County	26165	R	Acrylonitrile	2.01E-04	2.01E-04	2.68E-04	3.10E-04	5.83E-04	7.06E-04	1.89E-03	1.89E-03	0.00E+00	5.83E-04	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Arsenic Compounds	5.79E-06	5.79E-06	6.81E-06	1.55E-05	3.01E-05	4.79E-05	9.44E-05	9.44E-05	1.64E-07	7.78E-06	1.57E-05	6.43E-06	0.00E+00
Michigan	Wexford County	26165	R	Benzene	5.75E-01	5.75E-01	6.05E-01	7.10E-01	8.62E-01	1.14E+00	1.40E+00	1.40E+00	4.34E-05	1.41E-01	1.92E-01	4.93E-02	4.80E-01
Michigan	Wexford County	26165	R	Benzidine	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Beryllium Compounds	2.34E-07	2.34E-07	3.69E-07	1.00E-06	2.22E-06	3.12E-06	8.56E-06	8.56E-06	1.24E-11	2.22E-06	0.00E+00	2.94E-10	0.00E+00
Michigan	Wexford County	26165	R	1,3-Butadiene	3.78E-03	3.78E-03	4.57E-03	1.22E-02	2.42E-02	4.41E-02	6.78E-02	6.78E-02	0.00E+00	6.69E-04	1.87E-02	4.82E-03	0.00E+00
Michigan	Wexford County	26165	R	Cadmium Compounds	6.52E-07	6.52E-07	9.10E-07	1.95E-06	4.08E-06	4.96E-06	1.64E-05	1.64E-05	1.51E-08	4.06E-06	0.00E+00	3.20E-10	0.00E+00
Michigan	Wexford County	26165	R	Carbon Disulfide	4.71E-02	4.71E-02	4.71E-02	4.73E-02	4.82E-02	4.80E-02	5.38E-02	5.38E-02	1.27E-05	1.21E-03	0.00E+00	0.00E+00	4.70E-02
Michigan	Wexford County	26165	R	Carbon Tetrachloride	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.80E-01	8.82E-01	8.82E-01	1.69E-05	4.23E-04	0.00E+00	0.00E+00	8.80E-01
Michigan	Wexford County	26165	R	Chloroform	8.58E-02	8.58E-02	8.66E-02	9.36E-02	1.03E-01	1.19E-01	1.43E-01	1.43E-01	9.97E-05	2.02E-02	0.00E+00	0.00E+00	8.30E-02
Michigan	Wexford County	26165	R	Chromium Compounds (includes Hexavalent)	3.79E-06	3.79E-06	4.18E-06	8.62E-06	1.64E-05	2.56E-05	5.04E-05	5.04E-05	5.91E-10	5.47E-06	1.04E-05	5.33E-07	0.00E+00
Michigan	Wexford County	26165	R	Chromium VI	1.27E-06	1.27E-06	1.72E-06	3.70E-06	7.27E-06	1.11E-05	2.38E-05	2.38E-05	3.13E-10	2.89E-06	4.20E-06	1.81E-07	0.00E+00
Michigan	Wexford County	26165	R	Coke Oven Emissions	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	1,4-Dichlorobenzene	3.34E-03	3.34E-03	5.37E-03	1.38E-02	2.56E-02	4.88E-02	6.52E-02	6.52E-02	0.00E+00	2.56E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	1,3-Dichloropropene	6.28E-03	6.28E-03	1.03E-02	2.76E-02	5.16E-02	9.91E-02	1.32E-01	1.32E-01	0.00E+00	5.16E-02	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Ethylene Dibromide	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	7.70E-03	0.00E+00	3.84E-07	0.00E+00	0.00E+00	7.70E-03
Michigan	Wexford County	26165	R	Ethylene Dichloride	6.10E-02	6.10E-02	6.10E-02	6.11E-02	6.12E-02	6.12E-02	6.21E-02	6.21E-02	1.69E-06	2.29E-04	0.00E+00	0.00E+00	6.10E-02
Michigan	Wexford County	26165	R	Ethylene Oxide	3.43E-04	3.43E-04	5.79E-04	1.60E-03	3.18E-03	5.71E-03	9.30E-03	9.30E-03	0.00E+00	3.18E-03	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Formaldehyde	3.12E-01	3.12E-01	3.17E-01	3.48E-01	4.09E-01	5.10E-01	6.07E-01	6.07E-01	2.93E-05	1.39E-02	9.65E-02	4.84E-02	2.50E-01
Michigan	Wexford County	26165	R	Hexachlorobenzene	9.31E-05	9.31E-05	9.31E-05	9.36E-05	9.42E-05	9.54E-05	9.64E-05	9.64E-05	0.00E+00	1.22E-06	0.00E+00	0.00E+00	9.30E-05
Michigan	Wexford County	26165	R	Hexachlorobutadiene	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	0.00E+00	1.82E-07	0.00E+00	0.00E+00	1.80E-03
Michigan	Wexford County	26165	R	Hexamethylene Diisocyanate	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Hydrazine	1.32E-16	1.32E-16	1.98E-16	2.56E-16	4.50E-11	6.08E-11	2.38E-10	2.38E-10	0.00E+00	4.50E-11	0.00E+00	0.00E+00	0.00E+00
Michigan	Wexford County	26165	R	Lead Compounds	5.64E-05	5.64E-05	1.13E-04	3.29E-04	5.55E-04	8.58E-04	1.78E-03	1.78E-03	4.85E-07	2.37E-04	0.00E+00	3.18E-04	0.00E+00
Michigan	Wexford County	26165	R	Manganese Compounds	5.30E-05	5.30E-05	1.85E-04	4.30E-04	5.94E-04	1.12E-03	1.24E-03	1.24E-03	6.73E-09	5.90E-04	3.34E-06	5.96E-07	0.00E+00
Michigan	Wexford County	26165	R	Mercury Compounds	1.51E-03	1.51E-03	1.51E-03	1.52E-03	1.53E-03	1.56E-03	1.59E-03	1.59E-03	4.51E-10	1.20E-05	1.78E-05	5.13E-06	1.50E-03
Michigan	Wexford County	26165	R	Methylene Chloride	1.57E-01	1.57E-01	1.60E-01	1.83E-01	2.25E-01	2.65E-01	4.29E-01	4.29E-01	3.22E-06	7.53E-02	0.00E+00	0.00E+00	1.50E-01
Michigan	Wexford County	26165	R	Nickel Compounds	7.60E-06	7.60E-06	1.81E-05	5.09E-05	1.54E-04	1.41E-04	8.06E-04	8.06E-04	7.73E-10	1.46E-04	7.64E-06	9.76E-07	0.00E+00
Michigan	Wexford County	26165	R	Perchloroethylene	1.49E-01	1.49E-01	1.55E-01	1.77E-01	1.88E-01	2.18E-01	2.57E-01	2.57E-01	4.03E-06	4.84E-02	0.00E+00	0.00E+00	1.40E-01
Michigan	Wexford County	26165	R	Polychlorinated Biphenyls	3.88E-04	3.88E-04	3.94E-04	4.43E-04	5.11E-04	6.39E-04	7.49E-04	7.49E-04	0.00E+00	1.31E-04	0.00E+00	0.00E+00	3.80E-04
Michigan	Wexford County	26165	R	Polycyclic Organic Matter	7.90E-03	7.90E-03	1.05E-02	1.85E-02	2.92E-02	5.09E-02	6.62E-02	6.62E-02	6.51E-05	2.44E-02	4.04E-03	7.12E-04	0.00E+00
Michigan	Wexford County	26165	R	7-PAH	4.31E-04	4.31E-04	5.07E-04	7.76E-0									