

**FHWA PROJECTED NATIONAL MSAT EMISSION TRENDS 2020 – 2060
FOR VEHICLES OPERATING ON ROADWAYS**

yearID	Annual Emissions (megatonnes/yr)									trillion
	Benzene	Diesel PM	Naphthalene	Butadiene	Formaldehyde	Acrolein	Acetaldehyde	Ethylbenzene	Polycyclics	VMT/yr
2020	0.008251	0.039549626	0.000893922	0.00076009	0.008217	0.000557	0.004847169	0.006741589	0.000364352	3.339572361
2025	0.005265	0.019939935	0.000431891	0.00030848	0.004488	0.000291	0.00294144	0.005412849	0.000179584	3.434535153
2030	0.003335	0.010924848	0.000205146	6.0268E-05	0.002682	0.000165	0.001970183	0.004401266	8.77641E-05	3.555872579
2035	0.002753	0.007412284	0.000118494	6.2458E-06	0.001967	0.000112	0.001654709	0.004117305	5.12578E-05	3.655898208
2040	0.002557	0.00612169	8.949E-05	0	0.001766	9.46E-05	0.001599277	0.004016811	3.93916E-05	3.792031791
2045	0.002516	0.006014145	8.91633E-05	0	0.001816	9.48E-05	0.001644279	0.00389074	3.8817E-05	3.937931063
2050	0.002519	0.006023507	9.06773E-05	0	0.001903	9.67E-05	0.0017214	0.003801348	3.92076E-05	4.080436966
2055	0.002584	0.006071154	9.33029E-05	0	0.002008	9.94E-05	0.00181307	0.003877254	4.04412E-05	4.217510812
2060	0.002679	0.006133802	9.69344E-05	0	0.002125	0.000103	0.001913534	0.003996214	4.20996E-05	4.361338729