

Emissions of atmospheric pollutants	u.m.	2024
<b>Total pollutants in air<sup>1</sup></b>		<b>1,157.29</b>
Sulphur dioxide (SO <sub>2</sub> )	t	1.07
Nitrogen oxides (NO <sub>x</sub> )		937.09
Volatile organic compounds (VOC)		158.20
Particulate Matter (PM10)		60.93

1. Emission factors used for the conversion of fuels into NOx: methane gas 0.0166 tNOx /TJ; LPG 0.0229 tNOx /TJ; diesel for cars 0.2151 tNOx /TJ, for light commercial vehicles 0.26 tNOx /TJ, for heavy trucks 0.2523 tNOx /TJ; petrol for cars 0.0428 tNOx /TJ, for light commercial vehicles 0.04 tNOx /TJ, for motorcycles 0.0583 tNOx /TJ. Emission factors used for the conversion of fuels into SO2: diesel 0.0003 tSO2 /TJ; petrol 0.0002 tSO2 /TJ. Emission factors used for the conversion of fuels to VOCs: methane gas 0.0238 tVOC/TJ; LPG 0.0255 tVOC/TJ; diesel for passenger cars 0.0029 tVOC/TJ, for light commercial vehicles 0.0039 tVOC/TJ, heavy trucks 0.0093 tVOC/TJ; petrol for passenger cars 0.1858 tVOC/TJ, for light commercial vehicles 0.0979 tVOC/TJ, for motorbikes 0.5730 tVOC/TJ. Emission factors used for the conversion of fuels to PM10: methane gas 0.0103 tPM10/TJ; LPG 0.0096 tPM10/TJ; diesel fuel for passenger cars 0.0168 tPM10/ TJ, for light commercial vehicles 0.0161 tPM10/TJ, heavy trucks 0.0146 tPM10/TJ; petrol for passenger cars 0.0099 tPM10/TJ, for light commercial vehicles 0.0122 tPM10/TJ, for motorbikes 0.0164 tPM10/TJ.

Source: ISPRA, database of average emission factors of road transport in Italy.