

## **Příloha 1/C**

### **Rešerše dostupných vstupních dat pro receptorové modelování**

*Emise z dopravy*

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## 1. Úvod

Pro tvorbu „zdrojového profilu“ aplikovatelného v dalších etapách projektu v modelu Chemical Mass Balance 8.2 pro receptorové modelování za dopravu, která je dnes jedním z majoritních znečišťovatelů, byla v této fázi řešení projektu provedena rešerše databáze programu MEFA. Tyto údaje budou v průběhu řešení projektu doplněny dalšími informacemi, s cílem zpřesnění dopravního zdrojového profilu, zejména s ohledem na konkrétní parametry vybraných dopravních stanic imisního monitoringu, na kterých budou probíhat imisní měřicí kampaně.

## 2. Program MEFA 06

Základním předpokladem pro výpočet emisí z dopravy je existence spolehlivých emisních faktorů charakterizujících produkci emisí škodlivin pro všechny základní kategorie silničních motorových vozidel různých emisních úrovní (bez katalyzátoru, s katalyzátory) v závislosti na inženýrsko-dopravních informacích (rychlost jízdy, sklon vozovky) a použité pohonné hmotě (benzín, motorová nafta, LPG, zemní plyn). V minulosti byly při výpočtech prováděných v rámci posuzování vlivu dopravy na životní prostředí používány různé hodnoty emisních faktorů, stanovené obvykle na základě průměrných hodnot emisí získaných při emisních zkouškách a měřeních prováděných často při zcela odlišných podmínkách, popřípadě bez zohlednění některých důležitých faktorů ovlivňujících jejich výslednou hodnotu. Takto stanovené emisní faktory se vzájemně značně lišily a výsledky výpočtů emisních bilancí byly proto jen obtížně porovnatelné. V souladu s legislativními opatřeními proto MŽP ČR vydalo emisní faktory pro motorová vozidla tak, aby bylo možné v rámci ČR provádět vzájemně porovnatelné bilanční výpočty emisí z dopravy či hodnocení vlivu motorových vozidel na kvalitu ovzduší. Program MEFA, který tyto emisní faktory obsahuje, umožňuje výpočet pro široké spektrum znečišťujících látek. Zahnuje jak hlavní složky výfukových plynů, tak i látky rizikové pro lidské zdraví (aromatické uhlovodíky, aldehydy). Zahnuty jsou i reaktivní organické sloučeniny, které představují hlavní prekurzory tvorby přízemního ozónu a fotooxidačního smogu (alkeny).

MEFA 06 umožňuje výpočet emisí následujících sloučenin:

### Anorganické sloučeniny

- oxidy dusíku ( $\text{NO}_x$ )
- oxid dusičitý ( $\text{NO}_2$ )
- oxid siřičitý ( $\text{SO}_2$ )
- oxid uhelnatý ( $\text{CO}$ )
- tuhé znečišťující látky ( $\text{PM}$ ,  $\text{PM}_{10}$ ) - primární prašnost

### Organické sloučeniny

- suma uhlovodíků ( $\text{C}_x\text{H}_y$ )
- metan
- propan
- 1,3-butadien
- styren
- benzen
- toluen
- formaldehyd
- acetaldehyd

Program byl vytvořen autorským kolektivem pracovníků VŠCHT Praha, ATEM a DINPROJEKT. Použité výpočetní vztahy vycházejí z dostupných informací a reflektují současný stav znalostí o této problematice. Při konstrukci modelu byla použita již získaná a ověřená emisní data o vozidlech z řady testů v zemích EU. Jako výchozí podklad byla využita databáze HBEFA „Handbook Emission Factors for Road Transport“, která představuje oficiální datový podklad pro výpočet emisí z dopravy ve Spolkové republice Německo, ve Švýcarsku a Rakousku. Získané údaje byly dále doplněny s využitím dalších zahraničních metodik (CORINAIR, COPERT) a zejména výsledků emisních testů charakteristických zástupců vozového parku ČR. Program sice nemůže postihnout emisní charakteristiky jednotlivých vozidel v plné šíři (zejména u těžkých nákladních vozidel, kde je produkce emisí do značné míry ovlivněna celkovou hmotností vozidla), poskytuje však typické průměrné hodnoty odpovídající vozovému parku v České republice a středoevropském regionu. Rovněž v případě organických látek, které nejsou v emisích standardně sledovány, bylo velmi obtížné získat potřebné podklady pro vypracování matematických závislostí modelujících výsledné hodnoty emisních faktorů v závislosti na jízdním režimu, kategorii motorového vozidla a druhu použitého paliva. Na některé z prezentovaných emisních faktorů pro organické sloučeniny (např. benzo(a)pyren, styren, 1,3-butadien) je proto nutné nahlížet jako na kvalifikované odhady.

## 2.1. Osobní automobily, diesel, rychlost 50 km/h

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.5002	0.3616	0.2071	0.1216
CO (g/km)	0.2889	0.3475	0.2066	0.1733
SO2 (g/km)	0.0011	0.0011	0.0011	0.0010
PM (g/km)	0.2403	0.1304	0.0541	0.0299
PM10 (g/km)	0.2307	0.1252	0.0520	0.0287
NO2 (g/km)	0.0573	0.0414	0.0237	0.0139
CxHy (g/km)	0.1246	0.0776	0.0401	0.0349
methan (g/km)	0.0054	0.0034	0.0017	0.0015
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0001	0.0000	0.0000	0.0000
benzen (g/km)	0.0025	0.0016	0.0008	0.0007
toluen (g/km)	0.0006	0.0003	0.0002	0.0002
styren (g/km)	0.0006	0.0003	0.0002	0.0002
formaldehyd (g/km)	0.0146	0.0091	0.0047	0.0041
acetaldehyd (g/km)	0.0072	0.0045	0.0023	0.0020

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.4521	1.0160	0.5818	0.3450
CO (g/km)	0.2716	0.3324	0.1976	0.1657
SO2 (g/km)	0.0032	0.0032	0.0030	0.0029
PM (g/km)	0.3218	0.1822	0.0735	0.0405
PM10 (g/km)	0.3089	0.1749	0.0705	0.0388
NO2 (g/km)	0.1664	0.1164	0.0667	0.0395
CxHy (g/km)	0.1168	0.0714	0.0346	0.0301
methan (g/km)	0.0051	0.0031	0.0015	0.0013
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0024	0.0015	0.0007	0.0006
toluen (g/km)	0.0005	0.0003	0.0002	0.0001
styren (g/km)	0.0005	0.0003	0.0002	0.0001
formaldehyd (g/km)	0.0137	0.0084	0.0041	0.0035
acetaldehyd (g/km)	0.0068	0.0041	0.0020	0.0018

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.1902	2.2782	1.3047	0.7714
CO (g/km)	0.4414	0.5416	0.3220	0.2700
SO2 (g/km)	0.0063	0.0063	0.0060	0.0058
PM (g/km)	0.7541	0.3977	0.1627	0.0897
PM10 (g/km)	0.7240	0.3818	0.1562	0.0861
NO2 (g/km)	0.3656	0.2611	0.1495	0.0884
CxHy (g/km)	0.1916	0.1195	0.0572	0.0498
methan (g/km)	0.0083	0.0052	0.0025	0.0022
propan (g/km)	0.0001	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0001	0.0001	0.0000	0.0000
benzen (g/km)	0.0039	0.0024	0.0012	0.0010
toluen (g/km)	0.0009	0.0005	0.0003	0.0002
styren (g/km)	0.0009	0.0005	0.0003	0.0002
formaldehyd (g/km)	0.0225	0.0141	0.0067	0.0059
acetaldehyd (g/km)	0.0111	0.0069	0.0033	0.0029

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.6167	0.4459	0.2554	0.1500
CO (g/km)	0.6690	0.8049	0.4786	0.4013
SO2 (g/km)	0.0018	0.0018	0.0018	0.0017
PM (g/km)	0.4022	0.2182	0.0906	0.0500
PM10 (g/km)	0.3861	0.2095	0.0870	0.0480
NO2 (g/km)	0.0707	0.0511	0.0293	0.0172
CxHy (g/km)	0.1560	0.0972	0.0502	0.0438
methan (g/km)	0.0068	0.0042	0.0022	0.0019
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0001	0.0000	0.0000	0.0000
benzen (g/km)	0.0032	0.0020	0.0010	0.0009
toluen (g/km)	0.0007	0.0004	0.0002	0.0002
styren (g/km)	0.0007	0.0004	0.0002	0.0002
formaldehyd (g/km)	0.0183	0.0114	0.0059	0.0051
acetaldehyd (g/km)	0.0091	0.0056	0.0029	0.0025

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.7903	NOx (g/km) 1.2526	NOx (g/km) 0.7174	NOx (g/km) 0.4254
CO (g/km)	0.6290	CO (g/km) 0.7699	CO (g/km) 0.4578	CO (g/km) 0.3839
SO2 (g/km)	0.0051	SO2 (g/km) 0.0051	SO2 (g/km) 0.0049	SO2 (g/km) 0.0047
PM (g/km)	0.5386	PM (g/km) 0.3050	PM (g/km) 0.1230	PM (g/km) 0.0677
PM10 (g/km)	0.5171	PM10 (g/km) 0.2928	PM10 (g/km) 0.1181	PM10 (g/km) 0.0650
NO2 (g/km)	0.2052	NO2 (g/km) 0.1435	NO2 (g/km) 0.0822	NO2 (g/km) 0.0487
CxHy (g/km)	0.1463	CxHy (g/km) 0.0894	CxHy (g/km) 0.0433	CxHy (g/km) 0.0378
methan (g/km)	0.0064	methan (g/km) 0.0039	methan (g/km) 0.0019	methan (g/km) 0.0016
propan (g/km)	0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0030	benzen (g/km) 0.0018	benzen (g/km) 0.0009	benzen (g/km) 0.0008
toluen (g/km)	0.0007	toluen (g/km) 0.0004	toluen (g/km) 0.0002	toluen (g/km) 0.0002
styren (g/km)	0.0007	styren (g/km) 0.0004	styren (g/km) 0.0002	styren (g/km) 0.0002
formaldehyd (g/km)	0.0172	formaldehyd (g/km) 0.0105	formaldehyd (g/km) 0.0051	formaldehyd (g/km) 0.0044
acetaldehyd (g/km)	0.0085	acetaldehyd (g/km) 0.0052	acetaldehyd (g/km) 0.0025	acetaldehyd (g/km) 0.0022

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.9333	NOx (g/km) 2.8089	NOx (g/km) 1.6086	NOx (g/km) 0.9511
CO (g/km)	1.0224	CO (g/km) 1.2544	CO (g/km) 0.7458	CO (g/km) 0.6253
SO2 (g/km)	0.0101	SO2 (g/km) 0.0102	SO2 (g/km) 0.0097	SO2 (g/km) 0.0094
PM (g/km)	1.2623	PM (g/km) 0.6657	PM (g/km) 0.2724	PM (g/km) 0.1502
PM10 (g/km)	1.2118	PM10 (g/km) 0.6390	PM10 (g/km) 0.2615	PM10 (g/km) 0.1442
NO2 (g/km)	0.4507	NO2 (g/km) 0.3219	NO2 (g/km) 0.1843	NO2 (g/km) 0.1090
CxHy (g/km)	0.2400	CxHy (g/km) 0.1496	CxHy (g/km) 0.0716	CxHy (g/km) 0.0624
methan (g/km)	0.0105	methan (g/km) 0.0065	methan (g/km) 0.0031	methan (g/km) 0.0027
propan (g/km)	0.0001	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0049	benzen (g/km) 0.0030	benzen (g/km) 0.0015	benzen (g/km) 0.0013
toluen (g/km)	0.0011	toluen (g/km) 0.0007	toluen (g/km) 0.0003	toluen (g/km) 0.0003
styren (g/km)	0.0011	styren (g/km) 0.0007	styren (g/km) 0.0003	styren (g/km) 0.0003
formaldehyd (g/km)	0.0282	formaldehyd (g/km) 0.0176	formaldehyd (g/km) 0.0084	formaldehyd (g/km) 0.0073
acetaldehyd (g/km)	0.0139	acetaldehyd (g/km) 0.0087	acetaldehyd (g/km) 0.0042	acetaldehyd (g/km) 0.0036

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.7623	NOx (g/km) 0.5512	NOx (g/km) 0.3157	NOx (g/km) 0.1854
CO (g/km)	1.4324	CO (g/km) 1.7233	CO (g/km) 1.0247	CO (g/km) 0.8592
SO2 (g/km)	0.0038	SO2 (g/km) 0.0038	SO2 (g/km) 0.0036	SO2 (g/km) 0.0035
PM (g/km)	0.8527	PM (g/km) 0.4626	PM (g/km) 0.1921	PM (g/km) 0.1060
PM10 (g/km)	0.8186	PM10 (g/km) 0.4441	PM10 (g/km) 0.1844	PM10 (g/km) 0.1018
NO2 (g/km)	0.0874	NO2 (g/km) 0.0632	NO2 (g/km) 0.0362	NO2 (g/km) 0.0212
CxHy (g/km)	0.4461	CxHy (g/km) 0.2781	CxHy (g/km) 0.1436	CxHy (g/km) 0.1251
methan (g/km)	0.0194	methan (g/km) 0.0121	methan (g/km) 0.0063	methan (g/km) 0.0055
propan (g/km)	0.0001	propan (g/km) 0.0001	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0002	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.0091	benzen (g/km) 0.0057	benzen (g/km) 0.0029	benzen (g/km) 0.0025
toluen (g/km)	0.0020	toluen (g/km) 0.0013	toluen (g/km) 0.0006	toluen (g/km) 0.0006
styren (g/km)	0.0020	styren (g/km) 0.0013	styren (g/km) 0.0006	styren (g/km) 0.0006
formaldehyd (g/km)	0.0525	formaldehyd (g/km) 0.0327	formaldehyd (g/km) 0.0169	formaldehyd (g/km) 0.0147
acetaldehyd (g/km)	0.0259	acetaldehyd (g/km) 0.0161	acetaldehyd (g/km) 0.0083	acetaldehyd (g/km) 0.0073

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.2131	NOx (g/km) 1.5484	NOx (g/km) 0.8868	NOx (g/km) 0.5258
CO (g/km)	1.3467	CO (g/km) 1.6483	CO (g/km) 0.9801	CO (g/km) 0.8219
SO2 (g/km)	0.0105	SO2 (g/km) 0.0105	SO2 (g/km) 0.0101	SO2 (g/km) 0.0097
PM (g/km)	1.1418	PM (g/km) 0.6467	PM (g/km) 0.2607	PM (g/km) 0.1436
PM10 (g/km)	1.0962	PM10 (g/km) 0.6208	PM10 (g/km) 0.2503	PM10 (g/km) 0.1379
NO2 (g/km)	0.2536	NO2 (g/km) 0.1774	NO2 (g/km) 0.1016	NO2 (g/km) 0.0603
CxHy (g/km)	0.4182	CxHy (g/km) 0.2557	CxHy (g/km) 0.1239	CxHy (g/km) 0.1080
methan (g/km)	0.0182	methan (g/km) 0.0111	methan (g/km) 0.0054	methan (g/km) 0.0047
propan (g/km)	0.0001	propan (g/km) 0.0001	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0002	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0085	benzen (g/km) 0.0052	benzen (g/km) 0.0025	benzen (g/km) 0.0022
toluen (g/km)	0.0019	toluen (g/km) 0.0011	toluen (g/km) 0.0006	toluen (g/km) 0.0005
styren (g/km)	0.0019	styren (g/km) 0.0011	styren (g/km) 0.0006	styren (g/km) 0.0005
formaldehyd (g/km)	0.0492	formaldehyd (g/km) 0.0301	formaldehyd (g/km) 0.0146	formaldehyd (g/km) 0.0127
acetaldehyd (g/km)	0.0243	acetaldehyd (g/km) 0.0148	acetaldehyd (g/km) 0.0072	acetaldehyd (g/km) 0.0063

Rychlost jízdy 50 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	4.8622	NOx (g/km)	3.4722	NOx (g/km)	1.9885	NOx (g/km)	1.1757	NOx (g/km)	0.7606
CO (g/km)	2.1889	CO (g/km)	2.6857	CO (g/km)	1.5967	CO (g/km)	1.3388	CO (g/km)	1.2658
SO2 (g/km)	0.0208	SO2 (g/km)	0.0208	SO2 (g/km)	0.0199	SO2 (g/km)	0.0192	SO2 (g/km)	0.0163
PM (g/km)	2.6760	PM (g/km)	1.4111	PM (g/km)	0.5774	PM (g/km)	0.3184	PM (g/km)	0.1695
PM10 (g/km)	2.5689	PM10 (g/km)	1.3547	PM10 (g/km)	0.5543	PM10 (g/km)	0.3057	PM10 (g/km)	0.1627
NO2 (g/km)	0.5572	NO2 (g/km)	0.3979	NO2 (g/km)	0.2279	NO2 (g/km)	0.1347	NO2 (g/km)	0.0872
CxHy (g/km)	0.6864	CxHy (g/km)	0.4279	CxHy (g/km)	0.2048	CxHy (g/km)	0.1784	CxHy (g/km)	0.1681
methan (g/km)	0.0299	methan (g/km)	0.0186	methan (g/km)	0.0089	methan (g/km)	0.0078	methan (g/km)	0.0073
propan (g/km)	0.0002	propan (g/km)	0.0001	propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0003	1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001
benzen (g/km)	0.0140	benzen (g/km)	0.0087	benzen (g/km)	0.0042	benzen (g/km)	0.0036	benzen (g/km)	0.0034
toluen (g/km)	0.0031	toluen (g/km)	0.0019	toluen (g/km)	0.0009	toluen (g/km)	0.0008	toluen (g/km)	0.0008
styren (g/km)	0.0031	styren (g/km)	0.0019	styren (g/km)	0.0009	styren (g/km)	0.0008	styren (g/km)	0.0008
formaldehyd (g/km)	0.0807	formaldehyd (g/km)	0.0503	formaldehyd (g/km)	0.0241	formaldehyd (g/km)	0.0210	formaldehyd (g/km)	0.0198
acetaldehyd (g/km)	0.0399	acetaldehyd (g/km)	0.0249	acetaldehyd (g/km)	0.0119	acetaldehyd (g/km)	0.0104	acetaldehyd (g/km)	0.0098

## 2.2. Osobní automobily, diesel, rychlost 90 km/h

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.5024	0.3676	0.2211	0.1269
CO (g/km)	0.2168	0.1918	0.1142	0.0985
SO2 (g/km)	0.0011	0.0012	0.0011	0.0011
PM (g/km)	0.2457	0.1068	0.0467	0.0241
PM10 (g/km)	0.2359	0.1025	0.0448	0.0231
NO2 (g/km)	0.0368	0.0269	0.0162	0.0093
CxHy (g/km)	0.0863	0.0474	0.0248	0.0199
methan (g/km)	0.0044	0.0024	0.0013	0.0010
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0020	0.0011	0.0006	0.0005
toluen (g/km)	0.0004	0.0002	0.0001	0.0001
styren (g/km)	0.0004	0.0002	0.0001	0.0001
formaldehyd (g/km)	0.0089	0.0049	0.0026	0.0020
acetaldehyd (g/km)	0.0045	0.0024	0.0013	0.0010

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.4587	1.0327	0.6211	0.3599
CO (g/km)	0.2038	0.1835	0.1092	0.0942
SO2 (g/km)	0.0032	0.0032	0.0031	0.0030
PM (g/km)	0.3290	0.1493	0.0633	0.0326
PM10 (g/km)	0.3159	0.1433	0.0608	0.0313
NO2 (g/km)	0.1068	0.0756	0.0455	0.0263
CxHy (g/km)	0.0810	0.0435	0.0214	0.0172
methan (g/km)	0.0042	0.0022	0.0011	0.0009
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0018	0.0010	0.0005	0.0004
toluen (g/km)	0.0004	0.0002	0.0001	0.0001
styren (g/km)	0.0004	0.0002	0.0001	0.0001
formaldehyd (g/km)	0.0083	0.0045	0.0022	0.0018
acetaldehyd (g/km)	0.0042	0.0022	0.0011	0.0009

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.2048	2.3158	1.3926	0.8047
CO (g/km)	0.3312	0.2990	0.1779	0.1534
SO2 (g/km)	0.0063	0.0064	0.0062	0.0059
PM (g/km)	0.7711	0.3257	0.1403	0.0723
PM10 (g/km)	0.7403	0.3127	0.1347	0.0694
NO2 (g/km)	0.2346	0.1695	0.1020	0.0589
CxHy (g/km)	0.1328	0.0729	0.0354	0.0284
methan (g/km)	0.0068	0.0037	0.0018	0.0015
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0030	0.0017	0.0008	0.0006
toluen (g/km)	0.0007	0.0004	0.0002	0.0001
styren (g/km)	0.0007	0.0004	0.0002	0.0001
formaldehyd (g/km)	0.0137	0.0075	0.0036	0.0029
acetaldehyd (g/km)	0.0069	0.0038	0.0018	0.0015

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.6195	0.4532	0.2726	0.1565
CO (g/km)	0.5020	0.4443	0.2644	0.2280
SO2 (g/km)	0.0018	0.0019	0.0018	0.0017
PM (g/km)	0.4113	0.1788	0.0781	0.0403
PM10 (g/km)	0.3948	0.1716	0.0750	0.0387
NO2 (g/km)	0.0453	0.0332	0.0200	0.0115
CxHy (g/km)	0.1081	0.0593	0.0311	0.0249
methan (g/km)	0.0055	0.0030	0.0016	0.0013
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0025	0.0013	0.0007	0.0006
toluen (g/km)	0.0005	0.0003	0.0002	0.0001
styren (g/km)	0.0005	0.0003	0.0002	0.0001
formaldehyd (g/km)	0.0111	0.0061	0.0032	0.0026
acetaldehyd (g/km)	0.0056	0.0031	0.0016	0.0013



Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.7985	NOx (g/km) 1.2733	NOx (g/km) 0.7657	NOx (g/km) 0.4438
CO (g/km)	0.4720	CO (g/km) 0.4250	CO (g/km) 0.2529	CO (g/km) 0.2181
SO2 (g/km)	0.0052	SO2 (g/km) 0.0053	SO2 (g/km) 0.0051	SO2 (g/km) 0.0049
PM (g/km)	0.5508	PM (g/km) 0.2499	PM (g/km) 0.1060	PM (g/km) 0.0546
PM10 (g/km)	0.5288	PM10 (g/km) 0.2399	PM10 (g/km) 0.1018	PM10 (g/km) 0.0524
NO2 (g/km)	0.1317	NO2 (g/km) 0.0932	NO2 (g/km) 0.0561	NO2 (g/km) 0.0325
CxHy (g/km)	0.1014	CxHy (g/km) 0.0545	CxHy (g/km) 0.0268	CxHy (g/km) 0.0215
methan (g/km)	0.0052	methan (g/km) 0.0028	methan (g/km) 0.0014	methan (g/km) 0.0011
propan (g/km)	0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0000	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0023	benzen (g/km) 0.0012	benzen (g/km) 0.0006	benzen (g/km) 0.0005
toluen (g/km)	0.0005	toluen (g/km) 0.0003	toluen (g/km) 0.0001	toluen (g/km) 0.0001
styren (g/km)	0.0005	styren (g/km) 0.0003	styren (g/km) 0.0001	styren (g/km) 0.0001
formaldehyd (g/km)	0.0104	formaldehyd (g/km) 0.0056	formaldehyd (g/km) 0.0028	formaldehyd (g/km) 0.0022
acetaldehyd (g/km)	0.0052	acetaldehyd (g/km) 0.0028	acetaldehyd (g/km) 0.0014	acetaldehyd (g/km) 0.0011

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.9513	NOx (g/km) 2.8553	NOx (g/km) 1.7170	NOx (g/km) 0.9922
CO (g/km)	0.7672	CO (g/km) 0.6925	CO (g/km) 0.4121	CO (g/km) 0.3553
SO2 (g/km)	0.0102	SO2 (g/km) 0.0104	SO2 (g/km) 0.0100	SO2 (g/km) 0.0096
PM (g/km)	1.2908	PM (g/km) 0.5452	PM (g/km) 0.2348	PM (g/km) 0.1211
PM10 (g/km)	1.2392	PM10 (g/km) 0.5234	PM10 (g/km) 0.2254	PM10 (g/km) 0.1162
NO2 (g/km)	0.2893	NO2 (g/km) 0.2090	NO2 (g/km) 0.1257	NO2 (g/km) 0.0726
CxHy (g/km)	0.1664	CxHy (g/km) 0.0913	CxHy (g/km) 0.0443	CxHy (g/km) 0.0356
methan (g/km)	0.0085	methan (g/km) 0.0047	methan (g/km) 0.0023	methan (g/km) 0.0018
propan (g/km)	0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0038	benzen (g/km) 0.0021	benzen (g/km) 0.0010	benzen (g/km) 0.0008
toluen (g/km)	0.0008	toluen (g/km) 0.0004	toluen (g/km) 0.0002	toluen (g/km) 0.0002
styren (g/km)	0.0008	styren (g/km) 0.0004	styren (g/km) 0.0002	styren (g/km) 0.0002
formaldehyd (g/km)	0.0171	formaldehyd (g/km) 0.0094	formaldehyd (g/km) 0.0046	formaldehyd (g/km) 0.0037
acetaldehyd (g/km)	0.0086	acetaldehyd (g/km) 0.0047	acetaldehyd (g/km) 0.0023	acetaldehyd (g/km) 0.0018

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.7658	NOx (g/km) 0.5603	NOx (g/km) 0.3369	NOx (g/km) 0.1934
CO (g/km)	1.0749	CO (g/km) 0.9513	CO (g/km) 0.5662	CO (g/km) 0.4882
SO2 (g/km)	0.0038	SO2 (g/km) 0.0039	SO2 (g/km) 0.0037	SO2 (g/km) 0.0036
PM (g/km)	0.8719	PM (g/km) 0.3790	PM (g/km) 0.1656	PM (g/km) 0.0854
PM10 (g/km)	0.8370	PM10 (g/km) 0.3638	PM10 (g/km) 0.1590	PM10 (g/km) 0.0820
NO2 (g/km)	0.0561	NO2 (g/km) 0.0410	NO2 (g/km) 0.0247	NO2 (g/km) 0.0142
CxHy (g/km)	0.3093	CxHy (g/km) 0.1696	CxHy (g/km) 0.0888	CxHy (g/km) 0.0713
methan (g/km)	0.0159	methan (g/km) 0.0087	methan (g/km) 0.0046	methan (g/km) 0.0037
propan (g/km)	0.0001	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0070	benzen (g/km) 0.0039	benzen (g/km) 0.0020	benzen (g/km) 0.0016
toluen (g/km)	0.0015	toluen (g/km) 0.0008	toluen (g/km) 0.0004	toluen (g/km) 0.0003
styren (g/km)	0.0015	styren (g/km) 0.0008	styren (g/km) 0.0004	styren (g/km) 0.0003
formaldehyd (g/km)	0.0318	formaldehyd (g/km) 0.0174	formaldehyd (g/km) 0.0091	formaldehyd (g/km) 0.0073
acetaldehyd (g/km)	0.0160	acetaldehyd (g/km) 0.0087	acetaldehyd (g/km) 0.0046	acetaldehyd (g/km) 0.0037

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.2232	NOx (g/km) 1.5740	NOx (g/km) 0.9466	NOx (g/km) 0.5486
CO (g/km)	1.0106	CO (g/km) 0.9100	CO (g/km) 0.5415	CO (g/km) 0.4670
SO2 (g/km)	0.0106	SO2 (g/km) 0.0108	SO2 (g/km) 0.0104	SO2 (g/km) 0.0100
PM (g/km)	1.1676	PM (g/km) 0.5297	PM (g/km) 0.2248	PM (g/km) 0.1158
PM10 (g/km)	1.1209	PM10 (g/km) 0.5085	PM10 (g/km) 0.2158	PM10 (g/km) 0.1111
NO2 (g/km)	0.1628	NO2 (g/km) 0.1152	NO2 (g/km) 0.0693	NO2 (g/km) 0.0402
CxHy (g/km)	0.2899	CxHy (g/km) 0.1560	CxHy (g/km) 0.0766	CxHy (g/km) 0.0615
methan (g/km)	0.0149	methan (g/km) 0.0080	methan (g/km) 0.0039	methan (g/km) 0.0032
propan (g/km)	0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000	1,3-butadien (g/km) 0.0000
benzen (g/km)	0.0066	benzen (g/km) 0.0035	benzen (g/km) 0.0017	benzen (g/km) 0.0014
toluen (g/km)	0.0014	toluen (g/km) 0.0008	toluen (g/km) 0.0004	toluen (g/km) 0.0003
styren (g/km)	0.0014	styren (g/km) 0.0008	styren (g/km) 0.0004	styren (g/km) 0.0003
formaldehyd (g/km)	0.0298	formaldehyd (g/km) 0.0160	formaldehyd (g/km) 0.0079	formaldehyd (g/km) 0.0063
acetaldehyd (g/km)	0.0150	acetaldehyd (g/km) 0.0080	acetaldehyd (g/km) 0.0040	acetaldehyd (g/km) 0.0032

Rychlost jízdy 90 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	4.8844	NOx (g/km)	3.5296	NOx (g/km)	2.1225	NOx (g/km)	1.2265	NOx (g/km)	0.8080
CO (g/km)	1.6425	CO (g/km)	1.4827	CO (g/km)	0.8823	CO (g/km)	0.7607	CO (g/km)	0.7853
SO2 (g/km)	0.0209	SO2 (g/km)	0.0213	SO2 (g/km)	0.0205	SO2 (g/km)	0.0197	SO2 (g/km)	0.0168
PM (g/km)	2.7363	PM (g/km)	1.1558	PM (g/km)	0.4978	PM (g/km)	0.2567	PM (g/km)	0.1847
PM10 (g/km)	2.6269	PM10 (g/km)	1.1096	PM10 (g/km)	0.4779	PM10 (g/km)	0.2464	PM10 (g/km)	0.1773
NO2 (g/km)	0.3576	NO2 (g/km)	0.2584	NO2 (g/km)	0.1554	NO2 (g/km)	0.0898	NO2 (g/km)	0.0592
CxHy (g/km)	0.4758	CxHy (g/km)	0.2610	CxHy (g/km)	0.1267	CxHy (g/km)	0.1017	CxHy (g/km)	0.1061
methan (g/km)	0.0244	methan (g/km)	0.0134	methan (g/km)	0.0065	methan (g/km)	0.0052	methan (g/km)	0.0054
propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0108	benzen (g/km)	0.0059	benzen (g/km)	0.0029	benzen (g/km)	0.0023	benzen (g/km)	0.0024
toluen (g/km)	0.0023	toluen (g/km)	0.0013	toluen (g/km)	0.0006	toluen (g/km)	0.0005	toluen (g/km)	0.0005
styren (g/km)	0.0023	styren (g/km)	0.0013	styren (g/km)	0.0006	styren (g/km)	0.0005	styren (g/km)	0.0005
formaldehyd (g/km)	0.0489	formaldehyd (g/km)	0.0268	formaldehyd (g/km)	0.0130	formaldehyd (g/km)	0.0105	formaldehyd (g/km)	0.0109
acetaldehyd (g/km)	0.0245	acetaldehyd (g/km)	0.0135	acetaldehyd (g/km)	0.0065	acetaldehyd (g/km)	0.0052	acetaldehyd (g/km)	0.0055

### 2.3. Osobní automobily, diesel, rychlost 130 km/h

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.6638	0.4727	0.2775	0.1669
CO (g/km)	0.2577	0.2566	0.1528	0.1345
SO2 (g/km)	0.0015	0.0015	0.0014	0.0014
PM (g/km)	0.4494	0.2143	0.1060	0.0483
PM10 (g/km)	0.4315	0.2057	0.1018	0.0463
NO2 (g/km)	0.0368	0.0262	0.0154	0.0092
CxHy (g/km)	0.0756	0.0541	0.0288	0.0250
methan (g/km)	0.0042	0.0030	0.0016	0.0014
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0019	0.0013	0.0007	0.0006
toluen (g/km)	0.0004	0.0003	0.0002	0.0001
styren (g/km)	0.0004	0.0003	0.0002	0.0001
formaldehyd (g/km)	0.0071	0.0051	0.0027	0.0023
acetaldehyd (g/km)	0.0036	0.0025	0.0014	0.0012

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.9272	1.3278	0.7797	0.4734
CO (g/km)	0.2422	0.2455	0.1462	0.1287
SO2 (g/km)	0.0041	0.0042	0.0040	0.0039
PM (g/km)	0.6019	0.2995	0.1439	0.0654
PM10 (g/km)	0.5778	0.2875	0.1381	0.0628
NO2 (g/km)	0.1067	0.0735	0.0432	0.0262
CxHy (g/km)	0.0709	0.0498	0.0249	0.0215
methan (g/km)	0.0040	0.0028	0.0014	0.0012
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0017	0.0012	0.0006	0.0005
toluen (g/km)	0.0004	0.0003	0.0001	0.0001
styren (g/km)	0.0004	0.0003	0.0001	0.0001
formaldehyd (g/km)	0.0066	0.0047	0.0023	0.0020
acetaldehyd (g/km)	0.0033	0.0023	0.0012	0.0010

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	4.2340	2.9776	1.7483	1.0585
CO (g/km)	0.3937	0.3999	0.2381	0.2096
SO2 (g/km)	0.0082	0.0083	0.0079	0.0077
PM (g/km)	1.4105	0.6535	0.3186	0.1450
PM10 (g/km)	1.3541	0.6274	0.3059	0.1392
NO2 (g/km)	0.2344	0.1649	0.0968	0.0586
CxHy (g/km)	0.1164	0.0833	0.0411	0.0356
methan (g/km)	0.0065	0.0047	0.0023	0.0020
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0029	0.0020	0.0010	0.0009
toluen (g/km)	0.0006	0.0004	0.0002	0.0002
styren (g/km)	0.0006	0.0004	0.0002	0.0002
formaldehyd (g/km)	0.0109	0.0078	0.0038	0.0033
acetaldehyd (g/km)	0.0055	0.0039	0.0019	0.0017

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	0.8184	0.5828	0.3422	0.2058
CO (g/km)	0.5968	0.5943	0.3539	0.3116
SO2 (g/km)	0.0024	0.0024	0.0023	0.0023
PM (g/km)	0.7523	0.3587	0.1775	0.0808
PM10 (g/km)	0.7222	0.3443	0.1704	0.0775
NO2 (g/km)	0.0453	0.0323	0.0189	0.0114
CxHy (g/km)	0.0947	0.0678	0.0361	0.0313
methan (g/km)	0.0053	0.0038	0.0020	0.0018
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0023	0.0017	0.0009	0.0008
toluen (g/km)	0.0005	0.0004	0.0002	0.0002
styren (g/km)	0.0005	0.0004	0.0002	0.0002
formaldehyd (g/km)	0.0089	0.0063	0.0034	0.0029
acetaldehyd (g/km)	0.0045	0.0032	0.0017	0.0015

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.3761	1.6372	0.9613	0.5837
CO (g/km)	0.5611	0.5685	0.3385	0.2980
SO2 (g/km)	0.0067	0.0068	0.0065	0.0063
PM (g/km)	1.0075	0.5013	0.2409	0.1094
PM10 (g/km)	0.9672	0.4813	0.2312	0.1050
NO2 (g/km)	0.1316	0.0906	0.0532	0.0323
CxHy (g/km)	0.0888	0.0623	0.0312	0.0270
methan (g/km)	0.0050	0.0035	0.0017	0.0015
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0022	0.0015	0.0008	0.0007
toluen (g/km)	0.0005	0.0003	0.0002	0.0001
styren (g/km)	0.0005	0.0003	0.0002	0.0001
formaldehyd (g/km)	0.0083	0.0058	0.0029	0.0025
acetaldehyd (g/km)	0.0042	0.0029	0.0015	0.0013

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	5.2202	3.6712	2.1555	1.3050
CO (g/km)	0.9119	0.9263	0.5515	0.4855
SO2 (g/km)	0.0132	0.0135	0.0129	0.0125
PM (g/km)	2.3610	1.0939	0.5334	0.2426
PM10 (g/km)	2.2666	1.0502	0.5121	0.2329
NO2 (g/km)	0.2890	0.2033	0.1193	0.0723
CxHy (g/km)	0.1458	0.1043	0.0515	0.0446
methan (g/km)	0.0082	0.0059	0.0029	0.0025
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0000	0.0000	0.0000	0.0000
benzen (g/km)	0.0036	0.0026	0.0013	0.0011
toluen (g/km)	0.0008	0.0006	0.0003	0.0002
styren (g/km)	0.0008	0.0006	0.0003	0.0002
formaldehyd (g/km)	0.0136	0.0098	0.0048	0.0042
acetaldehyd (g/km)	0.0069	0.0049	0.0024	0.0021

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.0117	0.7204	0.4230	0.2544
CO (g/km)	1.2777	1.2725	0.7578	0.6671
SO2 (g/km)	0.0049	0.0050	0.0048	0.0046
PM (g/km)	1.5948	0.7603	0.3762	0.1712
PM10 (g/km)	1.5310	0.7299	0.3611	0.1644
NO2 (g/km)	0.0560	0.0399	0.0234	0.0141
CxHy (g/km)	0.2709	0.1939	0.1033	0.0894
methan (g/km)	0.0152	0.0109	0.0058	0.0050
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0001	0.0000	0.0000	0.0000
benzen (g/km)	0.0067	0.0048	0.0025	0.0022
toluen (g/km)	0.0014	0.0010	0.0005	0.0005
styren (g/km)	0.0014	0.0010	0.0005	0.0005
formaldehyd (g/km)	0.0253	0.0181	0.0097	0.0084
acetaldehyd (g/km)	0.0127	0.0091	0.0049	0.0042

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.9372	2.0238	1.1883	0.7215
CO (g/km)	1.2013	1.2172	0.7248	0.6381
SO2 (g/km)	0.0137	0.0139	0.0133	0.0129
PM (g/km)	2.1357	1.0627	0.5106	0.2320
PM10 (g/km)	2.0502	1.0202	0.4902	0.2227
NO2 (g/km)	0.1626	0.1120	0.0658	0.0399
CxHy (g/km)	0.2540	0.1782	0.0891	0.0771
methan (g/km)	0.0143	0.0100	0.0050	0.0043
propan (g/km)	0.0000	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0001	0.0000	0.0000	0.0000
benzen (g/km)	0.0062	0.0044	0.0022	0.0019
toluen (g/km)	0.0013	0.0009	0.0005	0.0004
styren (g/km)	0.0013	0.0009	0.0005	0.0004
formaldehyd (g/km)	0.0238	0.0167	0.0083	0.0072
acetaldehyd (g/km)	0.0119	0.0084	0.0042	0.0036

Rychlost jízdy 130 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	6.4531	NOx (g/km)	4.5382	NOx (g/km)	2.6646	NOx (g/km)	1.6132	NOx (g/km)	1.0377
CO (g/km)	1.9525	CO (g/km)	1.9832	CO (g/km)	1.1808	CO (g/km)	1.0394	CO (g/km)	0.9854
SO2 (g/km)	0.0271	SO2 (g/km)	0.0276	SO2 (g/km)	0.0264	SO2 (g/km)	0.0256	SO2 (g/km)	0.0217
PM (g/km)	5.0051	PM (g/km)	2.3190	PM (g/km)	1.1307	PM (g/km)	0.5144	PM (g/km)	0.2751
PM10 (g/km)	4.8049	PM10 (g/km)	2.2263	PM10 (g/km)	1.0855	PM10 (g/km)	0.4938	PM10 (g/km)	0.2641
NO2 (g/km)	0.3573	NO2 (g/km)	0.2513	NO2 (g/km)	0.1475	NO2 (g/km)	0.0893	NO2 (g/km)	0.0575
CxHy (g/km)	0.4168	CxHy (g/km)	0.2983	CxHy (g/km)	0.1473	CxHy (g/km)	0.1275	CxHy (g/km)	0.1195
methan (g/km)	0.0234	methan (g/km)	0.0167	methan (g/km)	0.0083	methan (g/km)	0.0072	methan (g/km)	0.0067
propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0102	benzen (g/km)	0.0073	benzen (g/km)	0.0036	benzen (g/km)	0.0031	benzen (g/km)	0.0029
toluen (g/km)	0.0022	toluen (g/km)	0.0016	toluen (g/km)	0.0008	toluen (g/km)	0.0007	toluen (g/km)	0.0006
styren (g/km)	0.0022	styren (g/km)	0.0016	styren (g/km)	0.0008	styren (g/km)	0.0007	styren (g/km)	0.0006
formaldehyd (g/km)	0.0390	formaldehyd (g/km)	0.0279	formaldehyd (g/km)	0.0138	formaldehyd (g/km)	0.0119	formaldehyd (g/km)	0.0112
acetaldehyd (g/km)	0.0196	acetaldehyd (g/km)	0.0140	acetaldehyd (g/km)	0.0069	acetaldehyd (g/km)	0.0060	acetaldehyd (g/km)	0.0056

## 2.4. Osobní automobily, benzin, rychlost 50 km/h

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.2062	0.3223	0.1429	0.0621
CO (g/km)	2.5898	0.3050	0.2358	0.1619
SO2 (g/km)	0.0017	0.0018	0.0017	0.0017
PM (g/km)	0.0016	0.0005	0.0005	0.0005
PM10 (g/km)	0.0016	0.0005	0.0005	0.0005
NO2 (g/km)	0.0060	0.0064	0.0029	0.0012
CxHy (g/km)	6.9029	0.1862	0.0801	0.0529
methan (g/km)	0.5784	0.0530	0.0228	0.0151
propan (g/km)	0.0229	0.0007	0.0003	0.0002
1,3-butadien (g/km)	0.0317	0.0003	0.0001	0.0001
benzen (g/km)	0.3298	0.0083	0.0036	0.0024
toluen (g/km)	0.8883	0.0233	0.0100	0.0066
styren (g/km)	0.0790	0.0016	0.0007	0.0005
formaldehyd (g/km)	0.1546	0.0012	0.0005	0.0003
acetaldehyd (g/km)	0.0382	0.0007	0.0003	0.0002

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	5.0111	0.8087	0.3395	0.1474
CO (g/km)	4.1814	0.7215	0.6015	0.4126
SO2 (g/km)	0.0038	0.0044	0.0043	0.0042
PM (g/km)	0.0016	0.0005	0.0005	0.0005
PM10 (g/km)	0.0016	0.0005	0.0005	0.0005
NO2 (g/km)	0.0251	0.0162	0.0068	0.0029
CxHy (g/km)	4.0735	0.2167	0.0932	0.0616
methan (g/km)	0.3413	0.0617	0.0265	0.0175
propan (g/km)	0.0135	0.0008	0.0003	0.0002
1,3-butadien (g/km)	0.0187	0.0004	0.0002	0.0001
benzen (g/km)	0.1946	0.0097	0.0042	0.0028
toluen (g/km)	0.5242	0.0272	0.0117	0.0077
styren (g/km)	0.0466	0.0019	0.0008	0.0005
formaldehyd (g/km)	0.0913	0.0014	0.0006	0.0004
acetaldehyd (g/km)	0.0226	0.0008	0.0004	0.0002

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	10.3979	1.7225	0.7342	0.3188
CO (g/km)	10.5105	1.8931	1.5659	1.0741
SO2 (g/km)	0.0066	0.0081	0.0079	0.0077
PM (g/km)	0.0016	0.0005	0.0005	0.0005
PM10 (g/km)	0.0016	0.0005	0.0005	0.0005
NO2 (g/km)	0.0520	0.0345	0.0147	0.0064
CxHy (g/km)	7.9088	0.3956	0.1701	0.1125
methan (g/km)	0.6627	0.1127	0.0485	0.0320
propan (g/km)	0.0263	0.0015	0.0006	0.0004
1,3-butadien (g/km)	0.0363	0.0007	0.0003	0.0002
benzen (g/km)	0.3779	0.0177	0.0076	0.0050
toluen (g/km)	1.0178	0.0496	0.0213	0.0141
styren (g/km)	0.0905	0.0035	0.0015	0.0010
formaldehyd (g/km)	0.1772	0.0026	0.0011	0.0007
acetaldehyd (g/km)	0.0438	0.0015	0.0007	0.0004

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.4872	0.3974	0.1762	0.0765
CO (g/km)	5.9983	0.7064	0.5461	0.3749
SO2 (g/km)	0.0027	0.0029	0.0028	0.0027
PM (g/km)	0.0027	0.0009	0.0009	0.0009
PM10 (g/km)	0.0026	0.0009	0.0009	0.0009
NO2 (g/km)	0.0074	0.0079	0.0035	0.0015
CxHy (g/km)	8.6454	0.2332	0.1003	0.0663
methan (g/km)	0.7244	0.0664	0.0286	0.0189
propan (g/km)	0.0287	0.0009	0.0004	0.0002
1,3-butadien (g/km)	0.0397	0.0004	0.0002	0.0001
benzen (g/km)	0.4131	0.0104	0.0045	0.0030
toluen (g/km)	1.1126	0.0292	0.0126	0.0083
styren (g/km)	0.0989	0.0020	0.0009	0.0006
formaldehyd (g/km)	0.1937	0.0015	0.0006	0.0004
acetaldehyd (g/km)	0.0479	0.0009	0.0004	0.0003

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	6.1783	NOx (g/km) 0.9970	NOx (g/km) 0.4186	NOx (g/km) 0.1818
CO (g/km)	9.6845	CO (g/km) 1.6710	CO (g/km) 1.3931	CO (g/km) 0.9555
SO2 (g/km)	0.0061	SO2 (g/km) 0.0071	SO2 (g/km) 0.0070	SO2 (g/km) 0.0068
PM (g/km)	0.0027	PM (g/km) 0.0009	PM (g/km) 0.0009	PM (g/km) 0.0009
PM10 (g/km)	0.0026	PM10 (g/km) 0.0009	PM10 (g/km) 0.0009	PM10 (g/km) 0.0009
NO2 (g/km)	0.0309	NO2 (g/km) 0.0199	NO2 (g/km) 0.0084	NO2 (g/km) 0.0036
CxHy (g/km)	5.1017	CxHy (g/km) 0.2714	CxHy (g/km) 0.1167	CxHy (g/km) 0.0771
methan (g/km)	0.4275	methan (g/km) 0.0773	methan (g/km) 0.0332	methan (g/km) 0.0220
propan (g/km)	0.0170	propan (g/km) 0.0010	propan (g/km) 0.0004	propan (g/km) 0.0003
1,3-butadien (g/km)	0.0234	1,3-butadien (g/km) 0.0005	1,3-butadien (g/km) 0.0002	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.2438	benzen (g/km) 0.0121	benzen (g/km) 0.0052	benzen (g/km) 0.0034
toluen (g/km)	0.6565	toluen (g/km) 0.0340	toluen (g/km) 0.0146	toluen (g/km) 0.0097
styren (g/km)	0.0584	styren (g/km) 0.0024	styren (g/km) 0.0010	styren (g/km) 0.0007
formaldehyd (g/km)	0.1143	formaldehyd (g/km) 0.0018	formaldehyd (g/km) 0.0008	formaldehyd (g/km) 0.0005
acetaldehyd (g/km)	0.0282	acetaldehyd (g/km) 0.0010	acetaldehyd (g/km) 0.0005	acetaldehyd (g/km) 0.0003

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	12.8199	NOx (g/km) 2.1238	NOx (g/km) 0.9052	NOx (g/km) 0.3931
CO (g/km)	24.3434	CO (g/km) 4.3846	CO (g/km) 3.6268	CO (g/km) 2.4878
SO2 (g/km)	0.0107	SO2 (g/km) 0.0131	SO2 (g/km) 0.0128	SO2 (g/km) 0.0125
PM (g/km)	0.0027	PM (g/km) 0.0009	PM (g/km) 0.0009	PM (g/km) 0.0009
PM10 (g/km)	0.0026	PM10 (g/km) 0.0009	PM10 (g/km) 0.0009	PM10 (g/km) 0.0009
NO2 (g/km)	0.0641	NO2 (g/km) 0.0425	NO2 (g/km) 0.0181	NO2 (g/km) 0.0079
CxHy (g/km)	9.9051	CxHy (g/km) 0.4955	CxHy (g/km) 0.2131	CxHy (g/km) 0.1409
methan (g/km)	0.8300	methan (g/km) 0.1411	methan (g/km) 0.0607	methan (g/km) 0.0401
propan (g/km)	0.0329	propan (g/km) 0.0018	propan (g/km) 0.0008	propan (g/km) 0.0005
1,3-butadien (g/km)	0.0455	1,3-butadien (g/km) 0.0009	1,3-butadien (g/km) 0.0004	1,3-butadien (g/km) 0.0002
benzen (g/km)	0.4733	benzen (g/km) 0.0222	benzen (g/km) 0.0095	benzen (g/km) 0.0063
toluen (g/km)	1.2747	toluen (g/km) 0.0621	toluen (g/km) 0.0267	toluen (g/km) 0.0177
styren (g/km)	0.1133	styren (g/km) 0.0043	styren (g/km) 0.0019	styren (g/km) 0.0012
formaldehyd (g/km)	0.2219	formaldehyd (g/km) 0.0032	formaldehyd (g/km) 0.0014	formaldehyd (g/km) 0.0009
acetaldehyd (g/km)	0.0548	acetaldehyd (g/km) 0.0019	acetaldehyd (g/km) 0.0008	acetaldehyd (g/km) 0.0005

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.8384	NOx (g/km) 0.4913	NOx (g/km) 0.2178	NOx (g/km) 0.0946
CO (g/km)	12.8427	CO (g/km) 1.5124	CO (g/km) 1.1693	CO (g/km) 0.8026
SO2 (g/km)	0.0055	SO2 (g/km) 0.0058	SO2 (g/km) 0.0057	SO2 (g/km) 0.0056
PM (g/km)	0.0056	PM (g/km) 0.0019	PM (g/km) 0.0019	PM (g/km) 0.0019
PM10 (g/km)	0.0055	PM10 (g/km) 0.0019	PM10 (g/km) 0.0019	PM10 (g/km) 0.0019
NO2 (g/km)	0.0092	NO2 (g/km) 0.0098	NO2 (g/km) 0.0044	NO2 (g/km) 0.0019
CxHy (g/km)	24.7237	CxHy (g/km) 0.6668	CxHy (g/km) 0.2867	CxHy (g/km) 0.1896
methan (g/km)	2.0717	methan (g/km) 0.1899	methan (g/km) 0.0817	methan (g/km) 0.0540
propan (g/km)	0.0822	propan (g/km) 0.0025	propan (g/km) 0.0011	propan (g/km) 0.0007
1,3-butadien (g/km)	0.1136	1,3-butadien (g/km) 0.0012	1,3-butadien (g/km) 0.0005	1,3-butadien (g/km) 0.0003
benzen (g/km)	1.1814	benzen (g/km) 0.0298	benzen (g/km) 0.0128	benzen (g/km) 0.0085
toluen (g/km)	3.1817	toluen (g/km) 0.0836	toluen (g/km) 0.0359	toluen (g/km) 0.0238
styren (g/km)	0.2829	styren (g/km) 0.0058	styren (g/km) 0.0025	styren (g/km) 0.0017
formaldehyd (g/km)	0.5539	formaldehyd (g/km) 0.0043	formaldehyd (g/km) 0.0019	formaldehyd (g/km) 0.0012
acetaldehyd (g/km)	0.1369	acetaldehyd (g/km) 0.0026	acetaldehyd (g/km) 0.0011	acetaldehyd (g/km) 0.0007

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	7.6374	NOx (g/km) 1.2325	NOx (g/km) 0.5175	NOx (g/km) 0.2247
CO (g/km)	20.7349	CO (g/km) 3.5777	CO (g/km) 2.9826	CO (g/km) 2.0458
SO2 (g/km)	0.0125	SO2 (g/km) 0.0146	SO2 (g/km) 0.0143	SO2 (g/km) 0.0140
PM (g/km)	0.0056	PM (g/km) 0.0019	PM (g/km) 0.0019	PM (g/km) 0.0019
PM10 (g/km)	0.0055	PM10 (g/km) 0.0019	PM10 (g/km) 0.0019	PM10 (g/km) 0.0019
NO2 (g/km)	0.0382	NO2 (g/km) 0.0246	NO2 (g/km) 0.0103	NO2 (g/km) 0.0045
CxHy (g/km)	14.5898	CxHy (g/km) 0.7760	CxHy (g/km) 0.3337	CxHy (g/km) 0.2206
methan (g/km)	1.2226	methan (g/km) 0.2210	methan (g/km) 0.0950	methan (g/km) 0.0628
propan (g/km)	0.0485	propan (g/km) 0.0029	propan (g/km) 0.0012	propan (g/km) 0.0008
1,3-butadien (g/km)	0.0671	1,3-butadien (g/km) 0.0014	1,3-butadien (g/km) 0.0006	1,3-butadien (g/km) 0.0004
benzen (g/km)	0.6971	benzen (g/km) 0.0347	benzen (g/km) 0.0149	benzen (g/km) 0.0099
toluen (g/km)	1.8776	toluen (g/km) 0.0973	toluen (g/km) 0.0418	toluen (g/km) 0.0276
styren (g/km)	0.1669	styren (g/km) 0.0068	styren (g/km) 0.0029	styren (g/km) 0.0019
formaldehyd (g/km)	0.3269	formaldehyd (g/km) 0.0050	formaldehyd (g/km) 0.0022	formaldehyd (g/km) 0.0014
acetaldehyd (g/km)	0.0808	acetaldehyd (g/km) 0.0030	acetaldehyd (g/km) 0.0013	acetaldehyd (g/km) 0.0009

Rychlost jízdy 50 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	15.8475	NOx (g/km)	2.6253	NOx (g/km)	1.1190	NOx (g/km)	0.4859	NOx (g/km)	0.3754
CO (g/km)	52.1201	CO (g/km)	9.3875	CO (g/km)	7.7650	CO (g/km)	5.3265	CO (g/km)	3.2284
SO2 (g/km)	0.0220	SO2 (g/km)	0.0267	SO2 (g/km)	0.0262	SO2 (g/km)	0.0256	SO2 (g/km)	0.0247
PM (g/km)	0.0056	PM (g/km)	0.0019	PM (g/km)	0.0019	PM (g/km)	0.0019	PM (g/km)	0.0019
PM10 (g/km)	0.0055	PM10 (g/km)	0.0019	PM10 (g/km)	0.0019	PM10 (g/km)	0.0019	PM10 (g/km)	0.0019
NO2 (g/km)	0.0792	NO2 (g/km)	0.0525	NO2 (g/km)	0.0224	NO2 (g/km)	0.0097	NO2 (g/km)	0.0075
CxHy (g/km)	28.3263	CxHy (g/km)	1.4170	CxHy (g/km)	0.6093	CxHy (g/km)	0.4028	CxHy (g/km)	0.2585
methan (g/km)	2.3736	methan (g/km)	0.4036	methan (g/km)	0.1735	methan (g/km)	0.1147	methan (g/km)	0.0736
propan (g/km)	0.0942	propan (g/km)	0.0053	propan (g/km)	0.0023	propan (g/km)	0.0015	propan (g/km)	0.0010
1,3-butadien (g/km)	0.1302	1,3-butadien (g/km)	0.0025	1,3-butadien (g/km)	0.0011	1,3-butadien (g/km)	0.0007	1,3-butadien (g/km)	0.0005
benzen (g/km)	1.3535	benzen (g/km)	0.0634	benzen (g/km)	0.0272	benzen (g/km)	0.0180	benzen (g/km)	0.0116
toluen (g/km)	3.6453	toluen (g/km)	0.1776	toluen (g/km)	0.0764	toluen (g/km)	0.0505	toluen (g/km)	0.0324
styren (g/km)	0.3241	styren (g/km)	0.0124	styren (g/km)	0.0053	styren (g/km)	0.0035	styren (g/km)	0.0023
formaldehyd (g/km)	0.6346	formaldehyd (g/km)	0.0092	formaldehyd (g/km)	0.0039	formaldehyd (g/km)	0.0026	formaldehyd (g/km)	0.0017
acetaldehyd (g/km)	0.1568	acetaldehyd (g/km)	0.0055	acetaldehyd (g/km)	0.0024	acetaldehyd (g/km)	0.0016	acetaldehyd (g/km)	0.0010



## 2.5. Osobní automobily, benzin, rychlost 90 km/h

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	1.6405	0.3641	0.1578	0.0792
CO (g/km)	2.8564	0.1830	0.1452	0.1094
SO2 (g/km)	0.0017	0.0015	0.0014	0.0014
PM (g/km)	0.0041	0.0014	0.0014	0.0014
PM10 (g/km)	0.0040	0.0014	0.0014	0.0014
NO2 (g/km)	0.0082	0.0073	0.0032	0.0016
CxHy (g/km)	4.9546	0.1264	0.0534	0.0384
methan (g/km)	0.6229	0.0639	0.0270	0.0194
propan (g/km)	0.0115	0.0003	0.0001	0.0001
1,3-butadien (g/km)	0.0223	0.0001	0.0000	0.0000
benzen (g/km)	0.2210	0.0107	0.0045	0.0033
toluen (g/km)	0.5643	0.0133	0.0056	0.0040
styren (g/km)	0.0590	0.0005	0.0002	0.0001
formaldehyd (g/km)	0.1016	0.0006	0.0003	0.0002
acetaldehyd (g/km)	0.0245	0.0003	0.0001	0.0001

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	6.8152	0.9133	0.3749	0.1881
CO (g/km)	4.6117	0.4329	0.3704	0.2787
SO2 (g/km)	0.0038	0.0036	0.0036	0.0035
PM (g/km)	0.0041	0.0014	0.0014	0.0014
PM10 (g/km)	0.0040	0.0014	0.0014	0.0014
NO2 (g/km)	0.0341	0.0183	0.0075	0.0038
CxHy (g/km)	2.9237	0.1471	0.0622	0.0446
methan (g/km)	0.3676	0.0744	0.0314	0.0226
propan (g/km)	0.0068	0.0003	0.0001	0.0001
1,3-butadien (g/km)	0.0132	0.0001	0.0000	0.0000
benzen (g/km)	0.1304	0.0125	0.0053	0.0038
toluen (g/km)	0.3330	0.0155	0.0066	0.0047
styren (g/km)	0.0348	0.0005	0.0002	0.0002
formaldehyd (g/km)	0.0600	0.0007	0.0003	0.0002
acetaldehyd (g/km)	0.0144	0.0004	0.0002	0.0001

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	14.1415	1.9455	0.8106	0.4066
CO (g/km)	11.5923	1.1359	0.9644	0.7257
SO2 (g/km)	0.0067	0.0067	0.0066	0.0063
PM (g/km)	0.0041	0.0014	0.0014	0.0014
PM10 (g/km)	0.0040	0.0014	0.0014	0.0014
NO2 (g/km)	0.0707	0.0389	0.0162	0.0081
CxHy (g/km)	5.6765	0.2687	0.1136	0.0815
methan (g/km)	0.7137	0.1358	0.0574	0.0412
propan (g/km)	0.0132	0.0006	0.0002	0.0002
1,3-butadien (g/km)	0.0256	0.0002	0.0001	0.0001
benzen (g/km)	0.2533	0.0228	0.0096	0.0069
toluen (g/km)	0.6465	0.0284	0.0120	0.0086
styren (g/km)	0.0676	0.0010	0.0004	0.0003
formaldehyd (g/km)	0.1164	0.0013	0.0005	0.0004
acetaldehyd (g/km)	0.0280	0.0007	0.0003	0.0002

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.0227	0.4489	0.1945	0.0976
CO (g/km)	6.6157	0.4238	0.3364	0.2533
SO2 (g/km)	0.0027	0.0024	0.0023	0.0022
PM (g/km)	0.0069	0.0024	0.0024	0.0024
PM10 (g/km)	0.0068	0.0024	0.0024	0.0024
NO2 (g/km)	0.0101	0.0090	0.0039	0.0020
CxHy (g/km)	6.2052	0.1584	0.0669	0.0480
methan (g/km)	0.7802	0.0800	0.0338	0.0243
propan (g/km)	0.0144	0.0003	0.0001	0.0001
1,3-butadien (g/km)	0.0280	0.0001	0.0000	0.0000
benzen (g/km)	0.2768	0.0134	0.0057	0.0041
toluen (g/km)	0.7068	0.0167	0.0071	0.0051
styren (g/km)	0.0739	0.0006	0.0002	0.0002
formaldehyd (g/km)	0.1273	0.0008	0.0003	0.0002
acetaldehyd (g/km)	0.0307	0.0004	0.0002	0.0001

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	8.4027	1.1261	0.4622	0.2319
CO (g/km)	10.6812	1.0026	0.8580	0.6456
SO2 (g/km)	0.0061	0.0059	0.0058	0.0056
PM (g/km)	0.0069	0.0024	0.0024	0.0024
PM10 (g/km)	0.0068	0.0024	0.0024	0.0024
NO2 (g/km)	0.0420	0.0225	0.0092	0.0046
CxHy (g/km)	3.6618	0.1843	0.0779	0.0559
methan (g/km)	0.4604	0.0931	0.0394	0.0283
propan (g/km)	0.0085	0.0004	0.0002	0.0001
1,3-butadien (g/km)	0.0165	0.0001	0.0001	0.0000
benzen (g/km)	0.1634	0.0156	0.0066	0.0047
toluen (g/km)	0.4171	0.0194	0.0082	0.0059
styren (g/km)	0.0436	0.0007	0.0003	0.0002
formaldehyd (g/km)	0.0751	0.0009	0.0004	0.0003
acetaldehyd (g/km)	0.0181	0.0005	0.0002	0.0001

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	17.4356	2.3986	0.9994	0.5014
CO (g/km)	26.8488	2.6307	2.2337	1.6808
SO2 (g/km)	0.0108	0.0108	0.0107	0.0103
PM (g/km)	0.0069	0.0024	0.0024	0.0024
PM10 (g/km)	0.0068	0.0024	0.0024	0.0024
NO2 (g/km)	0.0872	0.0480	0.0200	0.0100
CxHy (g/km)	7.1094	0.3365	0.1422	0.1021
methan (g/km)	0.8939	0.1701	0.0719	0.0516
propan (g/km)	0.0166	0.0007	0.0003	0.0002
1,3-butadien (g/km)	0.0320	0.0002	0.0001	0.0001
benzen (g/km)	0.3172	0.0286	0.0121	0.0087
toluen (g/km)	0.8097	0.0355	0.0150	0.0108
styren (g/km)	0.0847	0.0012	0.0005	0.0004
formaldehyd (g/km)	0.1458	0.0016	0.0007	0.0005
acetaldehyd (g/km)	0.0351	0.0009	0.0004	0.0003

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.5004	0.5549	0.2405	0.1206
CO (g/km)	14.1644	0.9075	0.7201	0.5423
SO2 (g/km)	0.0056	0.0048	0.0048	0.0046
PM (g/km)	0.0146	0.0051	0.0051	0.0051
PM10 (g/km)	0.0143	0.0050	0.0050	0.0050
NO2 (g/km)	0.0125	0.0111	0.0048	0.0024
CxHy (g/km)	17.7454	0.4529	0.1914	0.1374
methan (g/km)	2.2311	0.2289	0.0968	0.0694
propan (g/km)	0.0413	0.0009	0.0004	0.0003
1,3-butadien (g/km)	0.0800	0.0003	0.0001	0.0001
benzen (g/km)	0.7917	0.0384	0.0163	0.0117
toluen (g/km)	2.0211	0.0478	0.0202	0.0145
styren (g/km)	0.2114	0.0017	0.0007	0.0005
formaldehyd (g/km)	0.3640	0.0022	0.0009	0.0007
acetaldehyd (g/km)	0.0877	0.0012	0.0005	0.0004

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	10.3871	1.3920	0.5713	0.2866
CO (g/km)	22.8689	2.1467	1.8369	1.3822
SO2 (g/km)	0.0126	0.0121	0.0119	0.0115
PM (g/km)	0.0146	0.0051	0.0051	0.0051
PM10 (g/km)	0.0143	0.0050	0.0050	0.0050
NO2 (g/km)	0.0519	0.0278	0.0114	0.0057
CxHy (g/km)	10.4718	0.5270	0.2228	0.1599
methan (g/km)	1.3166	0.2664	0.1126	0.0808
propan (g/km)	0.0244	0.0011	0.0005	0.0003
1,3-butadien (g/km)	0.0472	0.0003	0.0001	0.0001
benzen (g/km)	0.4672	0.0447	0.0189	0.0136
toluen (g/km)	1.1927	0.0556	0.0235	0.0169
styren (g/km)	0.1248	0.0019	0.0008	0.0006
formaldehyd (g/km)	0.2148	0.0026	0.0011	0.0008
acetaldehyd (g/km)	0.0517	0.0014	0.0006	0.0004

Rychlost jízdy 90 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	21.5532	NOx (g/km)	2.9651	NOx (g/km)	1.2354	NOx (g/km)	0.6198	NOx (g/km)	0.4713
CO (g/km)	57.4843	CO (g/km)	5.6325	CO (g/km)	4.7824	CO (g/km)	3.5987	CO (g/km)	2.6403
SO2 (g/km)	0.0221	SO2 (g/km)	0.0222	SO2 (g/km)	0.0219	SO2 (g/km)	0.0211	SO2 (g/km)	0.0201
PM (g/km)	0.0146	PM (g/km)	0.0051	PM (g/km)	0.0051	PM (g/km)	0.0051	PM (g/km)	0.0051
PM10 (g/km)	0.0143	PM10 (g/km)	0.0050	PM10 (g/km)	0.0050	PM10 (g/km)	0.0050	PM10 (g/km)	0.0050
NO2 (g/km)	0.1078	NO2 (g/km)	0.0593	NO2 (g/km)	0.0247	NO2 (g/km)	0.0124	NO2 (g/km)	0.0094
CxHy (g/km)	20.3311	CxHy (g/km)	0.9623	CxHy (g/km)	0.4068	CxHy (g/km)	0.2920	CxHy (g/km)	0.1995
methan (g/km)	2.5562	methan (g/km)	0.4864	methan (g/km)	0.2056	methan (g/km)	0.1476	methan (g/km)	0.1008
propan (g/km)	0.0473	propan (g/km)	0.0020	propan (g/km)	0.0008	propan (g/km)	0.0006	propan (g/km)	0.0004
1,3-butadien (g/km)	0.0916	1,3-butadien (g/km)	0.0006	1,3-butadien (g/km)	0.0003	1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001
benzen (g/km)	0.9071	benzen (g/km)	0.0817	benzen (g/km)	0.0345	benzen (g/km)	0.0248	benzen (g/km)	0.0169
toluen (g/km)	2.3157	toluen (g/km)	0.1016	toluen (g/km)	0.0429	toluen (g/km)	0.0308	toluen (g/km)	0.0211
styren (g/km)	0.2423	styren (g/km)	0.0035	styren (g/km)	0.0015	styren (g/km)	0.0011	styren (g/km)	0.0007
formaldehyd (g/km)	0.4170	formaldehyd (g/km)	0.0047	formaldehyd (g/km)	0.0020	formaldehyd (g/km)	0.0014	formaldehyd (g/km)	0.0010
acetaldehyd (g/km)	0.1005	acetaldehyd (g/km)	0.0025	acetaldehyd (g/km)	0.0010	acetaldehyd (g/km)	0.0008	acetaldehyd (g/km)	0.0005

## 2.6. Osobní automobily, benzin, rychlost 130 km/h

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	2.4536	NOx (g/km)	0.7841	NOx (g/km)	0.3439	NOx (g/km)	0.2055	NOx (g/km)	0.1636
CO (g/km)	5.3015	CO (g/km)	0.4927	CO (g/km)	0.4221	CO (g/km)	0.3587	CO (g/km)	0.3266
SO2 (g/km)	0.0023	SO2 (g/km)	0.0020	SO2 (g/km)	0.0020	SO2 (g/km)	0.0019	SO2 (g/km)	0.0019
PM (g/km)	0.0098	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035
PM10 (g/km)	0.0096	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034
NO2 (g/km)	0.0123	NO2 (g/km)	0.0157	NO2 (g/km)	0.0069	NO2 (g/km)	0.0041	NO2 (g/km)	0.0033
CxHy (g/km)	5.2764	CxHy (g/km)	0.2340	CxHy (g/km)	0.1003	CxHy (g/km)	0.0782	CxHy (g/km)	0.0706
methan (g/km)	0.8186	methan (g/km)	0.1355	methan (g/km)	0.0581	methan (g/km)	0.0453	methan (g/km)	0.0409
propan (g/km)	0.0099	propan (g/km)	0.0002	propan (g/km)	0.0001	propan (g/km)	0.0001	propan (g/km)	0.0001
1,3-butadien (g/km)	0.0368	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.2479	benzen (g/km)	0.0290	benzen (g/km)	0.0124	benzen (g/km)	0.0097	benzen (g/km)	0.0087
toluen (g/km)	0.5434	toluen (g/km)	0.0224	toluen (g/km)	0.0096	toluen (g/km)	0.0075	toluen (g/km)	0.0068
styren (g/km)	0.0649	styren (g/km)	0.0002	styren (g/km)	0.0001	styren (g/km)	0.0001	styren (g/km)	0.0001
formaldehyd (g/km)	0.1010	formaldehyd (g/km)	0.0008	formaldehyd (g/km)	0.0003	formaldehyd (g/km)	0.0003	formaldehyd (g/km)	0.0002
acetaldehyd (g/km)	0.0243	acetaldehyd (g/km)	0.0004	acetaldehyd (g/km)	0.0002	acetaldehyd (g/km)	0.0001	acetaldehyd (g/km)	0.0001

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	10.1928	NOx (g/km)	1.9671	NOx (g/km)	0.8170	NOx (g/km)	0.4882	NOx (g/km)	0.3888
CO (g/km)	8.5594	CO (g/km)	1.1656	CO (g/km)	1.0766	CO (g/km)	0.9142	CO (g/km)	0.8314
SO2 (g/km)	0.0051	SO2 (g/km)	0.0051	SO2 (g/km)	0.0051	SO2 (g/km)	0.0049	SO2 (g/km)	0.0046
PM (g/km)	0.0098	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035
PM10 (g/km)	0.0096	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034
NO2 (g/km)	0.0510	NO2 (g/km)	0.0393	NO2 (g/km)	0.0163	NO2 (g/km)	0.0098	NO2 (g/km)	0.0078
CxHy (g/km)	3.1136	CxHy (g/km)	0.2723	CxHy (g/km)	0.1167	CxHy (g/km)	0.0911	CxHy (g/km)	0.0681
methan (g/km)	0.4831	methan (g/km)	0.1577	methan (g/km)	0.0676	methan (g/km)	0.0527	methan (g/km)	0.0395
propan (g/km)	0.0059	propan (g/km)	0.0002	propan (g/km)	0.0001	propan (g/km)	0.0001	propan (g/km)	0.0001
1,3-butadien (g/km)	0.0217	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.1463	benzen (g/km)	0.0337	benzen (g/km)	0.0144	benzen (g/km)	0.0113	benzen (g/km)	0.0084
toluen (g/km)	0.3206	toluen (g/km)	0.0261	toluen (g/km)	0.0112	toluen (g/km)	0.0087	toluen (g/km)	0.0065
styren (g/km)	0.0383	styren (g/km)	0.0003	styren (g/km)	0.0001	styren (g/km)	0.0001	styren (g/km)	0.0001
formaldehyd (g/km)	0.0596	formaldehyd (g/km)	0.0009	formaldehyd (g/km)	0.0004	formaldehyd (g/km)	0.0003	formaldehyd (g/km)	0.0002
acetaldehyd (g/km)	0.0144	acetaldehyd (g/km)	0.0005	acetaldehyd (g/km)	0.0002	acetaldehyd (g/km)	0.0002	acetaldehyd (g/km)	0.0001

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	21.1499	NOx (g/km)	4.1902	NOx (g/km)	1.7665	NOx (g/km)	1.0556	NOx (g/km)	0.8407
CO (g/km)	21.5153	CO (g/km)	3.0583	CO (g/km)	2.8028	CO (g/km)	2.3802	CO (g/km)	2.1706
SO2 (g/km)	0.0090	SO2 (g/km)	0.0094	SO2 (g/km)	0.0093	SO2 (g/km)	0.0089	SO2 (g/km)	0.0085
PM (g/km)	0.0098	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035	PM (g/km)	0.0035
PM10 (g/km)	0.0096	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034	PM10 (g/km)	0.0034
NO2 (g/km)	0.1057	NO2 (g/km)	0.0838	NO2 (g/km)	0.0353	NO2 (g/km)	0.0211	NO2 (g/km)	0.0168
CxHy (g/km)	6.0452	CxHy (g/km)	0.4972	CxHy (g/km)	0.2131	CxHy (g/km)	0.1663	CxHy (g/km)	0.1133
methan (g/km)	0.9379	methan (g/km)	0.2880	methan (g/km)	0.1234	methan (g/km)	0.0963	methan (g/km)	0.0657
propan (g/km)	0.0114	propan (g/km)	0.0004	propan (g/km)	0.0002	propan (g/km)	0.0001	propan (g/km)	0.0001
1,3-butadien (g/km)	0.0422	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.2841	benzen (g/km)	0.0616	benzen (g/km)	0.0264	benzen (g/km)	0.0206	benzen (g/km)	0.0140
toluen (g/km)	0.6225	toluen (g/km)	0.0476	toluen (g/km)	0.0204	toluen (g/km)	0.0159	toluen (g/km)	0.0109
styren (g/km)	0.0744	styren (g/km)	0.0005	styren (g/km)	0.0002	styren (g/km)	0.0002	styren (g/km)	0.0001
formaldehyd (g/km)	0.1157	formaldehyd (g/km)	0.0017	formaldehyd (g/km)	0.0007	formaldehyd (g/km)	0.0006	formaldehyd (g/km)	0.0004
acetaldehyd (g/km)	0.0279	acetaldehyd (g/km)	0.0009	acetaldehyd (g/km)	0.0004	acetaldehyd (g/km)	0.0003	acetaldehyd (g/km)	0.0002

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	3.0251	NOx (g/km)	0.9668	NOx (g/km)	0.4240	NOx (g/km)	0.2534	NOx (g/km)	0.2018
CO (g/km)	12.2787	CO (g/km)	1.1412	CO (g/km)	0.9775	CO (g/km)	0.8307	CO (g/km)	0.7565
SO2 (g/km)	0.0037	SO2 (g/km)	0.0033	SO2 (g/km)	0.0033	SO2 (g/km)	0.0032	SO2 (g/km)	0.0030
PM (g/km)	0.0164	PM (g/km)	0.0058	PM (g/km)	0.0058	PM (g/km)	0.0058	PM (g/km)	0.0058
PM10 (g/km)	0.0161	PM10 (g/km)	0.0057	PM10 (g/km)	0.0057	PM10 (g/km)	0.0057	PM10 (g/km)	0.0057
NO2 (g/km)	0.0151	NO2 (g/km)	0.0193	NO2 (g/km)	0.0085	NO2 (g/km)	0.0051	NO2 (g/km)	0.0040
CxHy (g/km)	6.6082	CxHy (g/km)	0.2930	CxHy (g/km)	0.1256	CxHy (g/km)	0.0980	CxHy (g/km)	0.0884
methan (g/km)	1.0253	methan (g/km)	0.1697	methan (g/km)	0.0727	methan (g/km)	0.0568	methan (g/km)	0.0512
propan (g/km)	0.0124	propan (g/km)	0.0002	propan (g/km)	0.0001	propan (g/km)	0.0001	propan (g/km)	0.0001
1,3-butadien (g/km)	0.0461	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.3105	benzen (g/km)	0.0363	benzen (g/km)	0.0156	benzen (g/km)	0.0121	benzen (g/km)	0.0109
toluen (g/km)	0.6805	toluen (g/km)	0.0281	toluen (g/km)	0.0120	toluen (g/km)	0.0094	toluen (g/km)	0.0085
styren (g/km)	0.0813	styren (g/km)	0.0003	styren (g/km)	0.0001	styren (g/km)	0.0001	styren (g/km)	0.0001
formaldehyd (g/km)	0.1265	formaldehyd (g/km)	0.0010	formaldehyd (g/km)	0.0004	formaldehyd (g/km)	0.0003	formaldehyd (g/km)	0.0003
acetaldehyd (g/km)	0.0305	acetaldehyd (g/km)	0.0005	acetaldehyd (g/km)	0.0002	acetaldehyd (g/km)	0.0002	acetaldehyd (g/km)	0.0002

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	12.5670	2.4253	1.0072	0.6019
CO (g/km)	19.8243	2.6996	2.4935	2.1173
SO2 (g/km)	0.0083	0.0083	0.0082	0.0079
PM (g/km)	0.0164	0.0058	0.0058	0.0058
PM10 (g/km)	0.0161	0.0057	0.0057	0.0057
NO2 (g/km)	0.0628	0.0485	0.0201	0.0120
CxHy (g/km)	3.8996	0.3410	0.1461	0.1140
methan (g/km)	0.6050	0.1975	0.0847	0.0661
propan (g/km)	0.0073	0.0003	0.0001	0.0001
1,3-butadien (g/km)	0.0272	0.0001	0.0000	0.0000
benzen (g/km)	0.1832	0.0422	0.0181	0.0141
toluen (g/km)	0.4016	0.0327	0.0140	0.0109
styren (g/km)	0.0480	0.0003	0.0001	0.0001
formaldehyd (g/km)	0.0746	0.0012	0.0005	0.0004
acetaldehyd (g/km)	0.0180	0.0006	0.0003	0.0002

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	26.0764	5.1663	2.1780	1.3015
CO (g/km)	49.8314	7.0833	6.4916	5.5127
SO2 (g/km)	0.0146	0.0152	0.0150	0.0144
PM (g/km)	0.0164	0.0058	0.0058	0.0058
PM10 (g/km)	0.0161	0.0057	0.0057	0.0057
NO2 (g/km)	0.1304	0.1033	0.0436	0.0260
CxHy (g/km)	7.5711	0.6226	0.2668	0.2082
methan (g/km)	1.1747	0.3607	0.1546	0.1206
propan (g/km)	0.0143	0.0005	0.0002	0.0002
1,3-butadien (g/km)	0.0528	0.0001	0.0001	0.0000
benzen (g/km)	0.3558	0.0771	0.0330	0.0258
toluen (g/km)	0.7797	0.0596	0.0256	0.0199
styren (g/km)	0.0932	0.0006	0.0003	0.0002
formaldehyd (g/km)	0.1449	0.0021	0.0009	0.0007
acetaldehyd (g/km)	0.0349	0.0011	0.0005	0.0004

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.7395	1.1951	0.5241	0.3132
CO (g/km)	26.2893	2.4433	2.0929	1.7786
SO2 (g/km)	0.0075	0.0068	0.0067	0.0065
PM (g/km)	0.0347	0.0124	0.0124	0.0124
PM10 (g/km)	0.0340	0.0121	0.0121	0.0121
NO2 (g/km)	0.0187	0.0239	0.0105	0.0063
CxHy (g/km)	18.8980	0.8379	0.3591	0.2802
methan (g/km)	2.9321	0.4854	0.2080	0.1623
propan (g/km)	0.0356	0.0006	0.0003	0.0002
1,3-butadien (g/km)	0.1319	0.0002	0.0001	0.0001
benzen (g/km)	0.8881	0.1038	0.0445	0.0347
toluen (g/km)	1.9462	0.0802	0.0344	0.0268
styren (g/km)	0.2326	0.0008	0.0004	0.0003
formaldehyd (g/km)	0.3617	0.0028	0.0012	0.0010
acetaldehyd (g/km)	0.0871	0.0015	0.0006	0.0005

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	15.5349	2.9981	1.2451	0.7440
CO (g/km)	42.4447	5.7799	5.3386	4.5333
SO2 (g/km)	0.0170	0.0170	0.0168	0.0161
PM (g/km)	0.0347	0.0124	0.0124	0.0124
PM10 (g/km)	0.0340	0.0121	0.0121	0.0121
NO2 (g/km)	0.0777	0.0600	0.0249	0.0149
CxHy (g/km)	11.1519	0.9752	0.4179	0.3261
methan (g/km)	1.7303	0.5649	0.2421	0.1889
propan (g/km)	0.0210	0.0007	0.0003	0.0002
1,3-butadien (g/km)	0.0778	0.0002	0.0001	0.0001
benzen (g/km)	0.5240	0.1208	0.0518	0.0404
toluen (g/km)	1.1484	0.0934	0.0400	0.0312
styren (g/km)	0.1372	0.0010	0.0004	0.0003
formaldehyd (g/km)	0.2134	0.0033	0.0014	0.0011
acetaldehyd (g/km)	0.0514	0.0018	0.0008	0.0006

Rychlost jízdy 130 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	32.2347	NOx (g/km)	6.3864	NOx (g/km)	2.6924	NOx (g/km)	1.6089	NOx (g/km)	1.2812
CO (g/km)	106.6911	CO (g/km)	15.1657	CO (g/km)	13.8988	CO (g/km)	11.8029	CO (g/km)	10.7638
SO2 (g/km)	0.0299	SO2 (g/km)	0.0311	SO2 (g/km)	0.0308	SO2 (g/km)	0.0296	SO2 (g/km)	0.0282
PM (g/km)	0.0347	PM (g/km)	0.0124	PM (g/km)	0.0124	PM (g/km)	0.0124	PM (g/km)	0.0124
PM10 (g/km)	0.0340	PM10 (g/km)	0.0121	PM10 (g/km)	0.0121	PM10 (g/km)	0.0121	PM10 (g/km)	0.0121
NO2 (g/km)	0.1612	NO2 (g/km)	0.1277	NO2 (g/km)	0.0538	NO2 (g/km)	0.0322	NO2 (g/km)	0.0256
CxHy (g/km)	21.6516	CxHy (g/km)	1.7806	CxHy (g/km)	0.7631	CxHy (g/km)	0.5955	CxHy (g/km)	0.4060
methan (g/km)	3.3593	methan (g/km)	1.0315	methan (g/km)	0.4421	methan (g/km)	0.3450	methan (g/km)	0.2352
propan (g/km)	0.0408	propan (g/km)	0.0014	propan (g/km)	0.0006	propan (g/km)	0.0005	propan (g/km)	0.0003
1,3-butadien (g/km)	0.1511	1,3-butadien (g/km)	0.0003	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001
benzen (g/km)	1.0174	benzen (g/km)	0.2205	benzen (g/km)	0.0945	benzen (g/km)	0.0737	benzen (g/km)	0.0503
toluen (g/km)	2.2297	toluen (g/km)	0.1705	toluen (g/km)	0.0731	toluen (g/km)	0.0570	toluen (g/km)	0.0389
styren (g/km)	0.2665	styren (g/km)	0.0018	styren (g/km)	0.0008	styren (g/km)	0.0006	styren (g/km)	0.0004
formaldehyd (g/km)	0.4144	formaldehyd (g/km)	0.0061	formaldehyd (g/km)	0.0026	formaldehyd (g/km)	0.0020	formaldehyd (g/km)	0.0014
acetaldehyd (g/km)	0.0998	acetaldehyd (g/km)	0.0032	acetaldehyd (g/km)	0.0014	acetaldehyd (g/km)	0.0011	acetaldehyd (g/km)	0.0007

## 2.7. LDV, diesel, rychlost 50 km/h

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.0531	1.1795	0.7077	0.1517
CO (g/km)	4.1557	1.9624	0.4289	0.2383
SO2 (g/km)	0.0019	0.0019	0.0019	0.0018
PM (g/km)	0.4876	0.1697	0.0848	0.0385
PM10 (g/km)	0.4681	0.1629	0.0814	0.0369
NO2 (g/km)	0.2353	0.1352	0.0811	0.0174
CxHy (g/km)	0.9436	0.5448	0.1671	0.0928
methan (g/km)	0.0411	0.0237	0.0073	0.0040
propan (g/km)	0.0003	0.0002	0.0000	0.0000
1,3-butadien (g/km)	0.0004	0.0002	0.0001	0.0000
benzen (g/km)	0.0134	0.0078	0.0024	0.0013
toluen (g/km)	0.0042	0.0025	0.0008	0.0004
styren (g/km)	0.0042	0.0025	0.0008	0.0004
formaldehyd (g/km)	0.1110	0.0641	0.0196	0.0109
acetaldehyd (g/km)	0.0548	0.0316	0.0097	0.0054

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	5.7268	3.2901	1.9740	0.4230
CO (g/km)	3.8728	1.8270	0.3993	0.2219
SO2 (g/km)	0.0054	0.0054	0.0052	0.0050
PM (g/km)	0.6821	0.2374	0.1187	0.0538
PM10 (g/km)	0.6548	0.2279	0.1139	0.0517
NO2 (g/km)	0.6563	0.3770	0.2262	0.0485
CxHy (g/km)	0.9607	0.5559	0.1705	0.0947
methan (g/km)	0.0419	0.0242	0.0074	0.0041
propan (g/km)	0.0003	0.0002	0.0000	0.0000
1,3-butadien (g/km)	0.0004	0.0002	0.0001	0.0000
benzen (g/km)	0.0137	0.0079	0.0024	0.0013
toluen (g/km)	0.0043	0.0025	0.0008	0.0004
styren (g/km)	0.0043	0.0025	0.0008	0.0004
formaldehyd (g/km)	0.1130	0.0654	0.0201	0.0111
acetaldehyd (g/km)	0.0558	0.0323	0.0099	0.0055

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	12.6978	7.2949	4.3769	0.9379
CO (g/km)	6.2529	2.9546	0.6458	0.3588
SO2 (g/km)	0.0105	0.0105	0.0102	0.0098
PM (g/km)	1.4711	0.5120	0.2559	0.1161
PM10 (g/km)	1.4123	0.4915	0.2457	0.1115
NO2 (g/km)	1.4551	0.8360	0.5016	0.1075
CxHy (g/km)	1.5981	0.9135	0.2802	0.1556
methan (g/km)	0.0696	0.0398	0.0122	0.0068
propan (g/km)	0.0004	0.0003	0.0001	0.0000
1,3-butadien (g/km)	0.0007	0.0004	0.0001	0.0001
benzen (g/km)	0.0227	0.0130	0.0040	0.0022
toluen (g/km)	0.0072	0.0041	0.0013	0.0007
styren (g/km)	0.0072	0.0041	0.0013	0.0007
formaldehyd (g/km)	0.1880	0.1074	0.0330	0.0183
acetaldehyd (g/km)	0.0928	0.0531	0.0163	0.0090

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.7259	1.5660	0.9396	0.2013
CO (g/km)	10.8993	5.1467	1.1250	0.6250
SO2 (g/km)	0.0026	0.0026	0.0025	0.0024
PM (g/km)	1.0220	0.3557	0.1778	0.0807
PM10 (g/km)	0.9811	0.3415	0.1707	0.0774
NO2 (g/km)	0.3124	0.1795	0.1077	0.0231
CxHy (g/km)	1.1818	0.6823	0.2093	0.1163
methan (g/km)	0.0515	0.0297	0.0091	0.0051
propan (g/km)	0.0003	0.0002	0.0001	0.0000
1,3-butadien (g/km)	0.0005	0.0003	0.0001	0.0000
benzen (g/km)	0.0168	0.0097	0.0030	0.0017
toluen (g/km)	0.0053	0.0031	0.0009	0.0005
styren (g/km)	0.0053	0.0031	0.0009	0.0005
formaldehyd (g/km)	0.1390	0.0802	0.0246	0.0137
acetaldehyd (g/km)	0.0686	0.0396	0.0122	0.0068

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	7.6034	NOx (g/km) 4.3681	NOx (g/km) 2.6209	NOx (g/km) 0.5616
CO (g/km)	10.1574	CO (g/km) 4.7917	CO (g/km) 1.0474	CO (g/km) 0.5819
SO2 (g/km)	0.0072	SO2 (g/km) 0.0072	SO2 (g/km) 0.0070	SO2 (g/km) 0.0067
PM (g/km)	1.4298	PM (g/km) 0.4976	PM (g/km) 0.2487	PM (g/km) 0.1129
PM10 (g/km)	1.3726	PM10 (g/km) 0.4777	PM10 (g/km) 0.2388	PM10 (g/km) 0.1083
NO2 (g/km)	0.8713	NO2 (g/km) 0.5006	NO2 (g/km) 0.3003	NO2 (g/km) 0.0644
CxHy (g/km)	1.2033	CxHy (g/km) 0.6962	CxHy (g/km) 0.2135	CxHy (g/km) 0.1186
methan (g/km)	0.0524	methan (g/km) 0.0303	methan (g/km) 0.0093	methan (g/km) 0.0052
propan (g/km)	0.0003	propan (g/km) 0.0002	propan (g/km) 0.0001	propan (g/km) 0.0000
1,3-butadien (g/km)	0.0005	1,3-butadien (g/km) 0.0003	1,3-butadien (g/km) 0.0001	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.0171	benzen (g/km) 0.0099	benzen (g/km) 0.0030	benzen (g/km) 0.0017
toluen (g/km)	0.0054	toluen (g/km) 0.0031	toluen (g/km) 0.0010	toluen (g/km) 0.0005
styren (g/km)	0.0054	styren (g/km) 0.0031	styren (g/km) 0.0010	styren (g/km) 0.0005
formaldehyd (g/km)	0.1415	formaldehyd (g/km) 0.0819	formaldehyd (g/km) 0.0251	formaldehyd (g/km) 0.0140
acetaldehyd (g/km)	0.0699	acetaldehyd (g/km) 0.0404	acetaldehyd (g/km) 0.0124	acetaldehyd (g/km) 0.0069

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	16.8585	NOx (g/km) 9.6852	NOx (g/km) 5.8111	NOx (g/km) 1.2452
CO (g/km)	16.3998	CO (g/km) 7.7492	CO (g/km) 1.6938	CO (g/km) 0.9410
SO2 (g/km)	0.0141	SO2 (g/km) 0.0141	SO2 (g/km) 0.0136	SO2 (g/km) 0.0131
PM (g/km)	3.0835	PM (g/km) 1.0732	PM (g/km) 0.5365	PM (g/km) 0.2434
PM10 (g/km)	2.9602	PM10 (g/km) 1.0303	PM10 (g/km) 0.5150	PM10 (g/km) 0.2337
NO2 (g/km)	1.9319	NO2 (g/km) 1.1099	NO2 (g/km) 0.6659	NO2 (g/km) 0.1427
CxHy (g/km)	2.0015	CxHy (g/km) 1.1441	CxHy (g/km) 0.3509	CxHy (g/km) 0.1949
methan (g/km)	0.0872	methan (g/km) 0.0498	methan (g/km) 0.0153	methan (g/km) 0.0085
propan (g/km)	0.0006	propan (g/km) 0.0003	propan (g/km) 0.0001	propan (g/km) 0.0001
1,3-butadien (g/km)	0.0009	1,3-butadien (g/km) 0.0005	1,3-butadien (g/km) 0.0002	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.0285	benzen (g/km) 0.0163	benzen (g/km) 0.0050	benzen (g/km) 0.0028
toluen (g/km)	0.0090	toluen (g/km) 0.0051	toluen (g/km) 0.0016	toluen (g/km) 0.0009
styren (g/km)	0.0090	styren (g/km) 0.0051	styren (g/km) 0.0016	styren (g/km) 0.0009
formaldehyd (g/km)	0.2354	formaldehyd (g/km) 0.1346	formaldehyd (g/km) 0.0413	formaldehyd (g/km) 0.0229
acetaldehyd (g/km)	0.1162	acetaldehyd (g/km) 0.0664	acetaldehyd (g/km) 0.0204	acetaldehyd (g/km) 0.0113

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.7265	NOx (g/km) 2.1409	NOx (g/km) 1.2845	NOx (g/km) 0.2753
CO (g/km)	24.4407	CO (g/km) 11.5411	CO (g/km) 2.5227	CO (g/km) 1.4015
SO2 (g/km)	0.0040	SO2 (g/km) 0.0040	SO2 (g/km) 0.0038	SO2 (g/km) 0.0037
PM (g/km)	2.0951	PM (g/km) 0.7292	PM (g/km) 0.3645	PM (g/km) 0.1654
PM10 (g/km)	2.0113	PM10 (g/km) 0.7000	PM10 (g/km) 0.3499	PM10 (g/km) 0.1588
NO2 (g/km)	0.4270	NO2 (g/km) 0.2453	NO2 (g/km) 0.1472	NO2 (g/km) 0.0315
CxHy (g/km)	3.3797	CxHy (g/km) 1.9511	CxHy (g/km) 0.5984	CxHy (g/km) 0.3324
methan (g/km)	0.1472	methan (g/km) 0.0850	methan (g/km) 0.0261	methan (g/km) 0.0145
propan (g/km)	0.0009	propan (g/km) 0.0005	propan (g/km) 0.0002	propan (g/km) 0.0001
1,3-butadien (g/km)	0.0014	1,3-butadien (g/km) 0.0008	1,3-butadien (g/km) 0.0003	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.0481	benzen (g/km) 0.0278	benzen (g/km) 0.0085	benzen (g/km) 0.0047
toluen (g/km)	0.0152	toluen (g/km) 0.0088	toluen (g/km) 0.0027	toluen (g/km) 0.0015
styren (g/km)	0.0152	styren (g/km) 0.0088	styren (g/km) 0.0027	styren (g/km) 0.0015
formaldehyd (g/km)	0.3975	formaldehyd (g/km) 0.2295	formaldehyd (g/km) 0.0704	formaldehyd (g/km) 0.0391
acetaldehyd (g/km)	0.1963	acetaldehyd (g/km) 0.1133	acetaldehyd (g/km) 0.0348	acetaldehyd (g/km) 0.0193

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	10.3943	NOx (g/km) 5.9715	NOx (g/km) 3.5829	NOx (g/km) 0.7678
CO (g/km)	22.7771	CO (g/km) 10.7449	CO (g/km) 2.3486	CO (g/km) 1.3048
SO2 (g/km)	0.0109	SO2 (g/km) 0.0109	SO2 (g/km) 0.0106	SO2 (g/km) 0.0102
PM (g/km)	2.9310	PM (g/km) 1.0201	PM (g/km) 0.5099	PM (g/km) 0.2314
PM10 (g/km)	2.8138	PM10 (g/km) 0.9793	PM10 (g/km) 0.4895	PM10 (g/km) 0.2221
NO2 (g/km)	1.1911	NO2 (g/km) 0.6843	NO2 (g/km) 0.4106	NO2 (g/km) 0.0880
CxHy (g/km)	3.4410	CxHy (g/km) 1.9909	CxHy (g/km) 0.6106	CxHy (g/km) 0.3392
methan (g/km)	0.1499	methan (g/km) 0.0867	methan (g/km) 0.0266	methan (g/km) 0.0148
propan (g/km)	0.0010	propan (g/km) 0.0006	propan (g/km) 0.0002	propan (g/km) 0.0001
1,3-butadien (g/km)	0.0015	1,3-butadien (g/km) 0.0009	1,3-butadien (g/km) 0.0003	1,3-butadien (g/km) 0.0001
benzen (g/km)	0.0490	benzen (g/km) 0.0283	benzen (g/km) 0.0087	benzen (g/km) 0.0048
toluen (g/km)	0.0155	toluen (g/km) 0.0090	toluen (g/km) 0.0027	toluen (g/km) 0.0015
styren (g/km)	0.0155	styren (g/km) 0.0090	styren (g/km) 0.0027	styren (g/km) 0.0015
formaldehyd (g/km)	0.4047	formaldehyd (g/km) 0.2342	formaldehyd (g/km) 0.0718	formaldehyd (g/km) 0.0399
acetaldehyd (g/km)	0.1999	acetaldehyd (g/km) 0.1156	acetaldehyd (g/km) 0.0355	acetaldehyd (g/km) 0.0197



Rychlost jízdy 50 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	23.0467	NOx (g/km)	13.2403	NOx (g/km)	7.9442	NOx (g/km)	1.7023	NOx (g/km)	0.9457
CO (g/km)	36.7750	CO (g/km)	17.3769	CO (g/km)	3.7983	CO (g/km)	2.1102	CO (g/km)	1.9847
SO2 (g/km)	0.0213	SO2 (g/km)	0.0213	SO2 (g/km)	0.0206	SO2 (g/km)	0.0198	SO2 (g/km)	0.0191
PM (g/km)	6.3213	PM (g/km)	2.2000	PM (g/km)	1.0997	PM (g/km)	0.4989	PM (g/km)	0.2774
PM10 (g/km)	6.0684	PM10 (g/km)	2.1120	PM10 (g/km)	1.0557	PM10 (g/km)	0.4790	PM10 (g/km)	0.2663
NO2 (g/km)	2.6410	NO2 (g/km)	1.5173	NO2 (g/km)	0.9104	NO2 (g/km)	0.1951	NO2 (g/km)	0.1084
CxHy (g/km)	5.7239	CxHy (g/km)	3.2718	CxHy (g/km)	1.0035	CxHy (g/km)	0.5575	CxHy (g/km)	0.5575
methan (g/km)	0.2493	methan (g/km)	0.1425	methan (g/km)	0.0437	methan (g/km)	0.0243	methan (g/km)	0.0243
propan (g/km)	0.0016	propan (g/km)	0.0009	propan (g/km)	0.0003	propan (g/km)	0.0002	propan (g/km)	0.0002
1,3-butadien (g/km)	0.0024	1,3-butadien (g/km)	0.0014	1,3-butadien (g/km)	0.0004	1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0002
benzen (g/km)	0.0815	benzen (g/km)	0.0466	benzen (g/km)	0.0143	benzen (g/km)	0.0079	benzen (g/km)	0.0079
toluen (g/km)	0.0257	toluen (g/km)	0.0147	toluen (g/km)	0.0045	toluen (g/km)	0.0025	toluen (g/km)	0.0025
styren (g/km)	0.0257	styren (g/km)	0.0147	styren (g/km)	0.0045	styren (g/km)	0.0025	styren (g/km)	0.0025
formaldehyd (g/km)	0.6732	formaldehyd (g/km)	0.3848	formaldehyd (g/km)	0.1180	formaldehyd (g/km)	0.0656	formaldehyd (g/km)	0.0656
acetaldehyd (g/km)	0.3324	acetaldehyd (g/km)	0.1900	acetaldehyd (g/km)	0.0583	acetaldehyd (g/km)	0.0324	acetaldehyd (g/km)	0.0324

## 2.8. LDV, diesel, rychlost 90 km/h

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	2.2903	1.2920	0.7752	0.1661
CO (g/km)	3.7419	1.7472	0.3837	0.2131
SO2 (g/km)	0.0021	0.0021	0.0021	0.0020
PM (g/km)	0.5524	0.2357	0.1190	0.0511
PM10 (g/km)	0.5303	0.2262	0.1143	0.0490
NO2 (g/km)	0.1677	0.0946	0.0568	0.0122
CxHy (g/km)	0.5959	0.3620	0.1110	0.0617
methan (g/km)	0.0306	0.0186	0.0057	0.0032
propan (g/km)	0.0001	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0002	0.0001	0.0000	0.0000
benzen (g/km)	0.0095	0.0058	0.0018	0.0010
toluen (g/km)	0.0029	0.0018	0.0005	0.0003
styren (g/km)	0.0029	0.0018	0.0005	0.0003
formaldehyd (g/km)	0.0613	0.0372	0.0114	0.0063
acetaldehyd (g/km)	0.0307	0.0187	0.0057	0.0032

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	6.3884	3.6038	2.1623	0.4633
CO (g/km)	3.4872	1.6267	0.3572	0.1984
SO2 (g/km)	0.0059	0.0059	0.0057	0.0055
PM (g/km)	0.7728	0.3297	0.1665	0.0714
PM10 (g/km)	0.7419	0.3165	0.1598	0.0686
NO2 (g/km)	0.4677	0.2638	0.1583	0.0339
CxHy (g/km)	0.6067	0.3693	0.1133	0.0629
methan (g/km)	0.0311	0.0189	0.0058	0.0032
propan (g/km)	0.0001	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0002	0.0001	0.0000	0.0000
benzen (g/km)	0.0097	0.0059	0.0018	0.0010
toluen (g/km)	0.0030	0.0018	0.0006	0.0003
styren (g/km)	0.0030	0.0018	0.0006	0.0003
formaldehyd (g/km)	0.0624	0.0380	0.0117	0.0065
acetaldehyd (g/km)	0.0313	0.0191	0.0058	0.0032

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	14.1646	7.9906	4.7943	1.0274
CO (g/km)	5.6303	2.6307	0.5777	0.3209
SO2 (g/km)	0.0115	0.0115	0.0111	0.0106
PM (g/km)	1.6667	0.7110	0.3591	0.1541
PM10 (g/km)	1.6000	0.6826	0.3447	0.1479
NO2 (g/km)	1.0370	0.5850	0.3510	0.0752
CxHy (g/km)	1.0093	0.6070	0.1862	0.1034
methan (g/km)	0.0518	0.0311	0.0095	0.0053
propan (g/km)	0.0002	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0003	0.0002	0.0001	0.0000
benzen (g/km)	0.0161	0.0097	0.0030	0.0016
toluen (g/km)	0.0050	0.0030	0.0009	0.0005
styren (g/km)	0.0050	0.0030	0.0009	0.0005
formaldehyd (g/km)	0.1038	0.0624	0.0191	0.0106
acetaldehyd (g/km)	0.0521	0.0313	0.0096	0.0053

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	3.0408	1.7154	1.0292	0.2205
CO (g/km)	9.8141	4.5825	1.0063	0.5590
SO2 (g/km)	0.0029	0.0029	0.0028	0.0026
PM (g/km)	1.1579	0.4940	0.2495	0.1070
PM10 (g/km)	1.1115	0.4742	0.2395	0.1027
NO2 (g/km)	0.2226	0.1256	0.0753	0.0161
CxHy (g/km)	0.7464	0.4533	0.1390	0.0772
methan (g/km)	0.0383	0.0232	0.0071	0.0040
propan (g/km)	0.0001	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0002	0.0001	0.0000	0.0000
benzen (g/km)	0.0119	0.0072	0.0022	0.0012
toluen (g/km)	0.0037	0.0022	0.0007	0.0004
styren (g/km)	0.0037	0.0022	0.0007	0.0004
formaldehyd (g/km)	0.0768	0.0466	0.0143	0.0079
acetaldehyd (g/km)	0.0385	0.0234	0.0072	0.0040

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	8.4817	4.7847	2.8708	0.6152
CO (g/km)	9.1460	4.2663	0.9368	0.5205
SO2 (g/km)	0.0079	0.0079	0.0076	0.0073
PM (g/km)	1.6198	0.6910	0.3490	0.1497
PM10 (g/km)	1.5550	0.6634	0.3350	0.1437
NO2 (g/km)	0.6209	0.3503	0.2102	0.0450
CxHy (g/km)	0.7599	0.4626	0.1419	0.0788
methan (g/km)	0.0390	0.0237	0.0073	0.0040
propan (g/km)	0.0001	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0002	0.0001	0.0000	0.0000
benzen (g/km)	0.0121	0.0074	0.0023	0.0013
toluen (g/km)	0.0037	0.0023	0.0007	0.0004
styren (g/km)	0.0037	0.0023	0.0007	0.0004
formaldehyd (g/km)	0.0782	0.0476	0.0146	0.0081
acetaldehyd (g/km)	0.0392	0.0239	0.0073	0.0041

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	18.8060	10.6089	6.3653	1.3640
CO (g/km)	14.7688	6.8996	1.5151	0.8417
SO2 (g/km)	0.0154	0.0154	0.0149	0.0143
PM (g/km)	3.4934	1.4904	0.7527	0.3229
PM10 (g/km)	3.3537	1.4308	0.7226	0.3100
NO2 (g/km)	1.3767	0.7766	0.4660	0.0999
CxHy (g/km)	1.2640	0.7602	0.2331	0.1295
methan (g/km)	0.0648	0.0390	0.0120	0.0066
propan (g/km)	0.0002	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0004	0.0002	0.0001	0.0000
benzen (g/km)	0.0201	0.0121	0.0037	0.0021
toluen (g/km)	0.0062	0.0037	0.0011	0.0006
styren (g/km)	0.0062	0.0037	0.0011	0.0006
formaldehyd (g/km)	0.1300	0.0782	0.0240	0.0133
acetaldehyd (g/km)	0.0652	0.0392	0.0120	0.0067

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	4.1570	2.3450	1.4070	0.3015
CO (g/km)	22.0071	10.2758	2.2564	1.2536
SO2 (g/km)	0.0043	0.0043	0.0042	0.0040
PM (g/km)	2.3736	1.0126	0.5114	0.2194
PM10 (g/km)	2.2787	0.9721	0.4910	0.2106
NO2 (g/km)	0.3043	0.1717	0.1030	0.0221
CxHy (g/km)	2.1344	1.2964	0.3976	0.2209
methan (g/km)	0.1095	0.0665	0.0204	0.0113
propan (g/km)	0.0004	0.0002	0.0001	0.0000
1,3-butadien (g/km)	0.0007	0.0004	0.0001	0.0001
benzen (g/km)	0.0340	0.0206	0.0063	0.0035
toluen (g/km)	0.0105	0.0064	0.0020	0.0011
styren (g/km)	0.0105	0.0064	0.0020	0.0011
formaldehyd (g/km)	0.2195	0.1333	0.0409	0.0227
acetaldehyd (g/km)	0.1101	0.0669	0.0205	0.0114

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	11.5950	6.5410	3.9246	0.8410
CO (g/km)	20.5091	9.5669	2.1008	1.1671
SO2 (g/km)	0.0119	0.0119	0.0115	0.0111
PM (g/km)	3.3206	1.4167	0.7155	0.3069
PM10 (g/km)	3.1878	1.3600	0.6868	0.2947
NO2 (g/km)	0.8488	0.4788	0.2873	0.0616
CxHy (g/km)	2.1731	1.3229	0.4057	0.2254
methan (g/km)	0.1114	0.0678	0.0208	0.0116
propan (g/km)	0.0004	0.0002	0.0001	0.0000
1,3-butadien (g/km)	0.0007	0.0004	0.0001	0.0001
benzen (g/km)	0.0346	0.0210	0.0065	0.0036
toluen (g/km)	0.0107	0.0065	0.0020	0.0011
styren (g/km)	0.0107	0.0065	0.0020	0.0011
formaldehyd (g/km)	0.2235	0.1361	0.0417	0.0232
acetaldehyd (g/km)	0.1121	0.0682	0.0209	0.0116

Rychlost jízdy 90 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	25.7090	NOx (g/km)	14.5030	NOx (g/km)	8.7018	NOx (g/km)	1.8647	NOx (g/km)	1.0359
CO (g/km)	33.1132	CO (g/km)	15.4718	CO (g/km)	3.3974	CO (g/km)	1.8874	CO (g/km)	1.7788
SO2 (g/km)	0.0233	SO2 (g/km)	0.0233	SO2 (g/km)	0.0225	SO2 (g/km)	0.0216	SO2 (g/km)	0.0208
PM (g/km)	7.1615	PM (g/km)	3.0553	PM (g/km)	1.5430	PM (g/km)	0.6620	PM (g/km)	0.3820
PM10 (g/km)	6.8750	PM10 (g/km)	2.9331	PM10 (g/km)	1.4813	PM10 (g/km)	0.6355	PM10 (g/km)	0.3668
NO2 (g/km)	1.8821	NO2 (g/km)	1.0617	NO2 (g/km)	0.6370	NO2 (g/km)	0.1365	NO2 (g/km)	0.0758
CxHy (g/km)	3.6149	CxHy (g/km)	2.1739	CxHy (g/km)	0.6667	CxHy (g/km)	0.3704	CxHy (g/km)	0.3704
methan (g/km)	0.1854	methan (g/km)	0.1115	methan (g/km)	0.0342	methan (g/km)	0.0190	methan (g/km)	0.0190
propan (g/km)	0.0006	propan (g/km)	0.0004	propan (g/km)	0.0001	propan (g/km)	0.0001	propan (g/km)	0.0001
1,3-butadien (g/km)	0.0011	1,3-butadien (g/km)	0.0007	1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001
benzen (g/km)	0.0575	benzen (g/km)	0.0346	benzen (g/km)	0.0106	benzen (g/km)	0.0059	benzen (g/km)	0.0059
toluen (g/km)	0.0177	toluen (g/km)	0.0107	toluen (g/km)	0.0033	toluen (g/km)	0.0018	toluen (g/km)	0.0018
styren (g/km)	0.0177	styren (g/km)	0.0107	styren (g/km)	0.0033	styren (g/km)	0.0018	styren (g/km)	0.0018
formaldehyd (g/km)	0.3718	formaldehyd (g/km)	0.2236	formaldehyd (g/km)	0.0686	formaldehyd (g/km)	0.0381	formaldehyd (g/km)	0.0381
acetaldehyd (g/km)	0.1865	acetaldehyd (g/km)	0.1121	acetaldehyd (g/km)	0.0344	acetaldehyd (g/km)	0.0191	acetaldehyd (g/km)	0.0191

## 2.9. LDV, diesel, rychlost 130 km/h

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	3.0419	NOx (g/km)	1.7521	NOx (g/km)	1.0513	NOx (g/km)	0.2253	NOx (g/km)	0.1252
CO (g/km)	9.8694	CO (g/km)	4.8608	CO (g/km)	1.0596	CO (g/km)	0.5887	CO (g/km)	0.5496
SO2 (g/km)	0.0034	SO2 (g/km)	0.0034	SO2 (g/km)	0.0033	SO2 (g/km)	0.0032	SO2 (g/km)	0.0031
PM (g/km)	1.3162	PM (g/km)	0.3971	PM (g/km)	0.2019	PM (g/km)	0.0967	PM (g/km)	0.0511
PM10 (g/km)	1.2636	PM10 (g/km)	0.3813	PM10 (g/km)	0.1939	PM10 (g/km)	0.0928	PM10 (g/km)	0.0490
NO2 (g/km)	0.1684	NO2 (g/km)	0.0970	NO2 (g/km)	0.0582	NO2 (g/km)	0.0125	NO2 (g/km)	0.0069
CxHy (g/km)	0.6319	CxHy (g/km)	0.3252	CxHy (g/km)	0.0997	CxHy (g/km)	0.0554	CxHy (g/km)	0.0554
methan (g/km)	0.0355	methan (g/km)	0.0183	methan (g/km)	0.0056	methan (g/km)	0.0031	methan (g/km)	0.0031
propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0109	benzen (g/km)	0.0056	benzen (g/km)	0.0017	benzen (g/km)	0.0010	benzen (g/km)	0.0010
toluen (g/km)	0.0033	toluen (g/km)	0.0017	toluen (g/km)	0.0005	toluen (g/km)	0.0003	toluen (g/km)	0.0003
styren (g/km)	0.0033	styren (g/km)	0.0017	styren (g/km)	0.0005	styren (g/km)	0.0003	styren (g/km)	0.0003
formaldehyd (g/km)	0.0591	formaldehyd (g/km)	0.0304	formaldehyd (g/km)	0.0093	formaldehyd (g/km)	0.0052	formaldehyd (g/km)	0.0052
acetaldehyd (g/km)	0.0297	acetaldehyd (g/km)	0.0153	acetaldehyd (g/km)	0.0047	acetaldehyd (g/km)	0.0026	acetaldehyd (g/km)	0.0026

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	8.4849	NOx (g/km)	4.8872	NOx (g/km)	2.9323	NOx (g/km)	0.6284	NOx (g/km)	0.3491
CO (g/km)	9.1976	CO (g/km)	4.5254	CO (g/km)	0.9865	CO (g/km)	0.5481	CO (g/km)	0.5117
SO2 (g/km)	0.0094	SO2 (g/km)	0.0094	SO2 (g/km)	0.0091	SO2 (g/km)	0.0088	SO2 (g/km)	0.0085
PM (g/km)	1.8413	PM (g/km)	0.5556	PM (g/km)	0.2825	PM (g/km)	0.1353	PM (g/km)	0.0714
PM10 (g/km)	1.7677	PM10 (g/km)	0.5334	PM10 (g/km)	0.2712	PM10 (g/km)	0.1298	PM10 (g/km)	0.0686
NO2 (g/km)	0.4698	NO2 (g/km)	0.2706	NO2 (g/km)	0.1623	NO2 (g/km)	0.0348	NO2 (g/km)	0.0193
CxHy (g/km)	0.6434	CxHy (g/km)	0.3318	CxHy (g/km)	0.1018	CxHy (g/km)	0.0565	CxHy (g/km)	0.0565
methan (g/km)	0.0361	methan (g/km)	0.0186	methan (g/km)	0.0057	methan (g/km)	0.0032	methan (g/km)	0.0032
propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0111	benzen (g/km)	0.0057	benzen (g/km)	0.0018	benzen (g/km)	0.0010	benzen (g/km)	0.0010
toluen (g/km)	0.0034	toluen (g/km)	0.0018	toluen (g/km)	0.0005	toluen (g/km)	0.0003	toluen (g/km)	0.0003
styren (g/km)	0.0034	styren (g/km)	0.0018	styren (g/km)	0.0005	styren (g/km)	0.0003	styren (g/km)	0.0003
formaldehyd (g/km)	0.0602	formaldehyd (g/km)	0.0310	formaldehyd (g/km)	0.0095	formaldehyd (g/km)	0.0053	formaldehyd (g/km)	0.0053
acetaldehyd (g/km)	0.0303	acetaldehyd (g/km)	0.0156	acetaldehyd (g/km)	0.0048	acetaldehyd (g/km)	0.0027	acetaldehyd (g/km)	0.0027

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	18.8131	NOx (g/km)	10.8362	NOx (g/km)	6.5017	NOx (g/km)	1.3932	NOx (g/km)	0.7740
CO (g/km)	14.8501	CO (g/km)	7.3187	CO (g/km)	1.5955	CO (g/km)	0.8864	CO (g/km)	0.8275
SO2 (g/km)	0.0184	SO2 (g/km)	0.0184	SO2 (g/km)	0.0178	SO2 (g/km)	0.0171	SO2 (g/km)	0.0165
PM (g/km)	3.9712	PM (g/km)	1.1982	PM (g/km)	0.6093	PM (g/km)	0.2917	PM (g/km)	0.1541
PM10 (g/km)	3.8123	PM10 (g/km)	1.1503	PM10 (g/km)	0.5849	PM10 (g/km)	0.2800	PM10 (g/km)	0.1479
NO2 (g/km)	1.0416	NO2 (g/km)	0.5999	NO2 (g/km)	0.3600	NO2 (g/km)	0.0771	NO2 (g/km)	0.0429
CxHy (g/km)	1.0703	CxHy (g/km)	0.5452	CxHy (g/km)	0.1672	CxHy (g/km)	0.0929	CxHy (g/km)	0.0929
methan (g/km)	0.0601	methan (g/km)	0.0306	methan (g/km)	0.0094	methan (g/km)	0.0052	methan (g/km)	0.0052
propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0003	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0184	benzen (g/km)	0.0094	benzen (g/km)	0.0029	benzen (g/km)	0.0016	benzen (g/km)	0.0016
toluen (g/km)	0.0057	toluen (g/km)	0.0029	toluen (g/km)	0.0009	toluen (g/km)	0.0005	toluen (g/km)	0.0005
styren (g/km)	0.0057	styren (g/km)	0.0029	styren (g/km)	0.0009	styren (g/km)	0.0005	styren (g/km)	0.0005
formaldehyd (g/km)	0.1001	formaldehyd (g/km)	0.0510	formaldehyd (g/km)	0.0156	formaldehyd (g/km)	0.0087	formaldehyd (g/km)	0.0087
acetaldehyd (g/km)	0.0503	acetaldehyd (g/km)	0.0256	acetaldehyd (g/km)	0.0079	acetaldehyd (g/km)	0.0044	acetaldehyd (g/km)	0.0044

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	4.0387	NOx (g/km)	2.3263	NOx (g/km)	1.3958	NOx (g/km)	0.2991	NOx (g/km)	0.1662
CO (g/km)	25.8848	CO (g/km)	12.7485	CO (g/km)	2.7792	CO (g/km)	1.5440	CO (g/km)	1.4415
SO2 (g/km)	0.0046	SO2 (g/km)	0.0046	SO2 (g/km)	0.0044	SO2 (g/km)	0.0043	SO2 (g/km)	0.0041
PM (g/km)	2.7588	PM (g/km)	0.8324	PM (g/km)	0.4233	PM (g/km)	0.2027	PM (g/km)	0.1070
PM10 (g/km)	2.6485	PM10 (g/km)	0.7991	PM10 (g/km)	0.4063	PM10 (g/km)	0.1945	PM10 (g/km)	0.1027
NO2 (g/km)	0.2236	NO2 (g/km)	0.1288	NO2 (g/km)	0.0773	NO2 (g/km)	0.0166	NO2 (g/km)	0.0092
CxHy (g/km)	0.7915	CxHy (g/km)	0.4072	CxHy (g/km)	0.1249	CxHy (g/km)	0.0694	CxHy (g/km)	0.0694
methan (g/km)	0.0444	methan (g/km)	0.0229	methan (g/km)	0.0070	methan (g/km)	0.0039	methan (g/km)	0.0039
propan (g/km)	0.0001	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000	1,3-butadien (g/km)	0.0000
benzen (g/km)	0.0136	benzen (g/km)	0.0070	benzen (g/km)	0.0021	benzen (g/km)	0.0012	benzen (g/km)	0.0012
toluen (g/km)	0.0042	toluen (g/km)	0.0022	toluen (g/km)	0.0007	toluen (g/km)	0.0004	toluen (g/km)	0.0004
styren (g/km)	0.0042	styren (g/km)	0.0022	styren (g/km)	0.0007	styren (g/km)	0.0004	styren (g/km)	0.0004
formaldehyd (g/km)	0.0740	formaldehyd (g/km)	0.0381	formaldehyd (g/km)	0.0117	formaldehyd (g/km)	0.0065	formaldehyd (g/km)	0.0065
acetaldehyd (g/km)	0.0372	acetaldehyd (g/km)	0.0192	acetaldehyd (g/km)	0.0059	acetaldehyd (g/km)	0.0033	acetaldehyd (g/km)	0.0033

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	11.2652	6.4887	3.8932	0.8343
CO (g/km)	24.1229	11.8690	2.5874	1.4375
SO2 (g/km)	0.0127	0.0127	0.0122	0.0118
PM (g/km)	3.8595	1.1645	0.5922	0.2835
PM10 (g/km)	3.7051	1.1180	0.5685	0.2722
NO2 (g/km)	0.6237	0.3592	0.2155	0.0462
CxHy (g/km)	0.8058	0.4155	0.1274	0.0708
methan (g/km)	0.0452	0.0233	0.0072	0.0040
propan (g/km)	0.0001	0.0000	0.0000	0.0000
1,3-butadien (g/km)	0.0002	0.0001	0.0000	0.0000
benzen (g/km)	0.0139	0.0071	0.0022	0.0012
toluen (g/km)	0.0043	0.0022	0.0007	0.0004
styren (g/km)	0.0043	0.0022	0.0007	0.0004
formaldehyd (g/km)	0.0754	0.0389	0.0119	0.0066
acetaldehyd (g/km)	0.0379	0.0195	0.0060	0.0033

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	24.9777	14.3870	8.6322	1.8498
CO (g/km)	38.9479	19.1949	4.1845	2.3247
SO2 (g/km)	0.0247	0.0247	0.0239	0.0229
PM (g/km)	8.3237	2.5115	1.2771	0.6114
PM10 (g/km)	7.9908	2.4111	1.2260	0.5870
NO2 (g/km)	1.3829	0.7965	0.4779	0.1024
CxHy (g/km)	1.3404	0.6829	0.2094	0.1164
methan (g/km)	0.0753	0.0383	0.0118	0.0065
propan (g/km)	0.0001	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0003	0.0002	0.0001	0.0000
benzen (g/km)	0.0231	0.0117	0.0036	0.0020
toluen (g/km)	0.0071	0.0036	0.0011	0.0006
styren (g/km)	0.0071	0.0036	0.0011	0.0006
formaldehyd (g/km)	0.1253	0.0639	0.0196	0.0109
acetaldehyd (g/km)	0.0630	0.0321	0.0099	0.0055

Rychlost jízdy 130 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	5.5212	3.1802	1.9081	0.4089
CO (g/km)	58.0443	28.5873	6.2320	3.4622
SO2 (g/km)	0.0069	0.0069	0.0067	0.0064
PM (g/km)	5.6556	1.7065	0.8677	0.4154
PM10 (g/km)	5.4294	1.6382	0.8330	0.3988
NO2 (g/km)	0.3057	0.1761	0.1056	0.0226
CxHy (g/km)	2.2634	1.1646	0.3572	0.1984
methan (g/km)	0.1271	0.0654	0.0201	0.0111
propan (g/km)	0.0002	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0006	0.0003	0.0001	0.0000
benzen (g/km)	0.0389	0.0200	0.0061	0.0034
toluen (g/km)	0.0120	0.0062	0.0019	0.0011
styren (g/km)	0.0120	0.0062	0.0019	0.0011
formaldehyd (g/km)	0.2117	0.1089	0.0334	0.0186
acetaldehyd (g/km)	0.1065	0.0548	0.0168	0.0093

Rychlost jízdy 130 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	15.4002	8.8704	5.3222	1.1405
CO (g/km)	54.0934	26.6151	5.8021	3.2234
SO2 (g/km)	0.0192	0.0192	0.0185	0.0178
PM (g/km)	7.9121	2.3873	1.2139	0.5812
PM10 (g/km)	7.5956	2.2918	1.1654	0.5580
NO2 (g/km)	0.8526	0.4911	0.2947	0.0631
CxHy (g/km)	2.3044	1.1883	0.3645	0.2025
methan (g/km)	0.1294	0.0667	0.0205	0.0114
propan (g/km)	0.0002	0.0001	0.0000	0.0000
1,3-butadien (g/km)	0.0006	0.0003	0.0001	0.0001
benzen (g/km)	0.0396	0.0204	0.0063	0.0035
toluen (g/km)	0.0122	0.0063	0.0019	0.0011
styren (g/km)	0.0122	0.0063	0.0019	0.0011
formaldehyd (g/km)	0.2155	0.1111	0.0341	0.0189
acetaldehyd (g/km)	0.1084	0.0559	0.0171	0.0095

Rychlost jízdy 130 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	34.1461	NOx (g/km)	19.6679	NOx (g/km)	11.8007	NOx (g/km)	2.5287	NOx (g/km)	1.4049
CO (g/km)	87.3371	CO (g/km)	43.0427	CO (g/km)	9.3833	CO (g/km)	5.2129	CO (g/km)	4.8670
SO2 (g/km)	0.0374	SO2 (g/km)	0.0374	SO2 (g/km)	0.0361	SO2 (g/km)	0.0347	SO2 (g/km)	0.0335
PM (g/km)	17.0638	PM (g/km)	5.1487	PM (g/km)	2.6180	PM (g/km)	1.2535	PM (g/km)	0.6620
PM10 (g/km)	16.3812	PM10 (g/km)	4.9427	PM10 (g/km)	2.5133	PM10 (g/km)	1.2033	PM10 (g/km)	0.6355
NO2 (g/km)	1.8905	NO2 (g/km)	1.0889	NO2 (g/km)	0.6533	NO2 (g/km)	0.1400	NO2 (g/km)	0.0778
CxHy (g/km)	3.8333	CxHy (g/km)	1.9529	CxHy (g/km)	0.5989	CxHy (g/km)	0.3327	CxHy (g/km)	0.3327
methan (g/km)	0.2152	methan (g/km)	0.1096	methan (g/km)	0.0336	methan (g/km)	0.0187	methan (g/km)	0.0187
propan (g/km)	0.0003	propan (g/km)	0.0002	propan (g/km)	0.0000	propan (g/km)	0.0000	propan (g/km)	0.0000
1,3-butadien (g/km)	0.0010	1,3-butadien (g/km)	0.0005	1,3-butadien (g/km)	0.0002	1,3-butadien (g/km)	0.0001	1,3-butadien (g/km)	0.0001
benzen (g/km)	0.0659	benzen (g/km)	0.0336	benzen (g/km)	0.0103	benzen (g/km)	0.0057	benzen (g/km)	0.0057
toluen (g/km)	0.0203	toluen (g/km)	0.0103	toluen (g/km)	0.0032	toluen (g/km)	0.0018	toluen (g/km)	0.0018
styren (g/km)	0.0203	styren (g/km)	0.0103	styren (g/km)	0.0032	styren (g/km)	0.0018	styren (g/km)	0.0018
formaldehyd (g/km)	0.3585	formaldehyd (g/km)	0.1826	formaldehyd (g/km)	0.0560	formaldehyd (g/km)	0.0311	formaldehyd (g/km)	0.0311
acetaldehyd (g/km)	0.1803	acetaldehyd (g/km)	0.0919	acetaldehyd (g/km)	0.0282	acetaldehyd (g/km)	0.0157	acetaldehyd (g/km)	0.0157

**2.10. HDV, diesel, rychlost 50 km/h**

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	14.2707	9.2038	6.7778	0.9181
CO (g/km)	22.2128	6.3160	3.5415	2.8427
SO2 (g/km)	0.0041	0.0042	0.0042	0.0044
PM (g/km)	2.6629	1.5392	0.4025	0.2180
PM10 (g/km)	2.5032	1.4468	0.3783	0.2049
NO2 (g/km)	0.9952	0.6419	0.4727	0.0640
CxHy (g/km)	7.2807	5.1207	1.8325	1.4721
methan (g/km)	0.3613	0.2541	0.0909	0.0731
propan (g/km)	0.0073	0.0051	0.0018	0.0015
1,3-butadien (g/km)	0.0024	0.0017	0.0006	0.0005
benzen (g/km)	0.1127	0.0792	0.0284	0.0228
toluen (g/km)	0.0349	0.0246	0.0088	0.0071
styren (g/km)	0.0349	0.0246	0.0088	0.0071
formaldehyd (g/km)	0.7740	0.5443	0.1948	0.1565
acetaldehyd (g/km)	0.3862	0.2717	0.0972	0.0781

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	28.1930	18.3658	13.6696	1.8475
CO (g/km)	25.7344	7.2100	4.0676	3.3530
SO2 (g/km)	0.0105	0.0107	0.0108	0.0111
PM (g/km)	2.8691	1.6702	0.4386	0.2373
PM10 (g/km)	2.6970	1.5700	0.4123	0.2231
NO2 (g/km)	1.9661	1.2808	0.9533	0.1288
CxHy (g/km)	5.4516	3.8371	1.3688	1.1024
methan (g/km)	0.2705	0.1904	0.0679	0.0547
propan (g/km)	0.0055	0.0038	0.0014	0.0011
1,3-butadien (g/km)	0.0018	0.0012	0.0004	0.0004
benzen (g/km)	0.0844	0.0594	0.0212	0.0171
toluen (g/km)	0.0262	0.0184	0.0066	0.0053
styren (g/km)	0.0262	0.0184	0.0066	0.0053
formaldehyd (g/km)	0.5795	0.4079	0.1455	0.1172
acetaldehyd (g/km)	0.2892	0.2036	0.0726	0.0585

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	73.3153	48.2575	36.0141	4.8532
CO (g/km)	45.8421	12.6276	7.1574	6.0438
SO2 (g/km)	0.0279	0.0286	0.0291	0.0299
PM (g/km)	5.4106	3.2139	0.8448	0.4546
PM10 (g/km)	5.0860	3.0211	0.7941	0.4273
NO2 (g/km)	5.1129	3.3654	2.5116	0.3385
CxHy (g/km)	6.7074	4.7070	1.7051	1.3905
methan (g/km)	0.3328	0.2336	0.0846	0.0690
propan (g/km)	0.0067	0.0047	0.0017	0.0014
1,3-butadien (g/km)	0.0022	0.0015	0.0006	0.0005
benzen (g/km)	0.1038	0.0728	0.0264	0.0215
toluen (g/km)	0.0322	0.0226	0.0082	0.0067
styren (g/km)	0.0322	0.0226	0.0082	0.0067
formaldehyd (g/km)	0.7130	0.5004	0.1813	0.1478
acetaldehyd (g/km)	0.3558	0.2497	0.0905	0.0738

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	23.8876	15.4062	11.3453	1.5368
CO (g/km)	41.1787	11.7088	6.5653	5.2699
SO2 (g/km)	0.0066	0.0067	0.0068	0.0070
PM (g/km)	4.7311	2.7345	0.7150	0.3873
PM10 (g/km)	4.4472	2.5705	0.6721	0.3641
NO2 (g/km)	1.6659	1.0744	0.7912	0.1072
CxHy (g/km)	10.4412	7.3436	2.6281	2.1112
methan (g/km)	0.5181	0.3644	0.1304	0.1048
propan (g/km)	0.0104	0.0073	0.0026	0.0023
1,3-butadien (g/km)	0.0034	0.0024	0.0009	0.0007
benzen (g/km)	0.1616	0.1136	0.0407	0.0327
toluen (g/km)	0.0501	0.0352	0.0126	0.0101
styren (g/km)	0.0501	0.0352	0.0126	0.0101
formaldehyd (g/km)	1.1099	0.7807	0.2794	0.2244
acetaldehyd (g/km)	0.5539	0.3896	0.1394	0.1120



Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	47.1922	NOx (g/km)	30.7424	NOx (g/km)	22.8816	NOx (g/km)	3.0925	NOx (g/km)	2.3755
CO (g/km)	47.7073	CO (g/km)	13.3661	CO (g/km)	7.5407	CO (g/km)	6.2159	CO (g/km)	4.6664
SO2 (g/km)	0.0167	SO2 (g/km)	0.0170	SO2 (g/km)	0.0173	SO2 (g/km)	0.0178	SO2 (g/km)	0.0177
PM (g/km)	5.0973	PM (g/km)	2.9673	PM (g/km)	0.7792	PM (g/km)	0.4217	PM (g/km)	0.1245
PM10 (g/km)	4.7915	PM10 (g/km)	2.7893	PM10 (g/km)	0.7324	PM10 (g/km)	0.3964	PM10 (g/km)	0.1170
NO2 (g/km)	3.2911	NO2 (g/km)	2.1439	NO2 (g/km)	1.5957	NO2 (g/km)	0.2157	NO2 (g/km)	0.1657
CxHy (g/km)	7.8181	CxHy (g/km)	5.5028	CxHy (g/km)	1.9630	CxHy (g/km)	1.5809	CxHy (g/km)	0.6920
methan (g/km)	0.3880	methan (g/km)	0.2731	methan (g/km)	0.0974	methan (g/km)	0.0785	methan (g/km)	0.0343
propan (g/km)	0.0078	propan (g/km)	0.0055	propan (g/km)	0.0020	propan (g/km)	0.0016	propan (g/km)	0.0007
1,3-butadien (g/km)	0.0025	1,3-butadien (g/km)	0.0018	1,3-butadien (g/km)	0.0006	1,3-butadien (g/km)	0.0005	1,3-butadien (g/km)	0.0002
benzen (g/km)	0.1210	benzen (g/km)	0.0852	benzen (g/km)	0.0304	benzen (g/km)	0.0245	benzen (g/km)	0.0107
toluen (g/km)	0.0375	toluen (g/km)	0.0264	toluen (g/km)	0.0094	toluen (g/km)	0.0076	toluen (g/km)	0.0033
styren (g/km)	0.0375	styren (g/km)	0.0264	styren (g/km)	0.0094	styren (g/km)	0.0076	styren (g/km)	0.0033
formaldehyd (g/km)	0.8311	formaldehyd (g/km)	0.5850	formaldehyd (g/km)	0.2087	formaldehyd (g/km)	0.1681	formaldehyd (g/km)	0.0736
acetaldehyd (g/km)	0.4147	acetaldehyd (g/km)	0.2919	acetaldehyd (g/km)	0.1041	acetaldehyd (g/km)	0.0839	acetaldehyd (g/km)	0.0367

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	122.7224	NOx (g/km)	80.7781	NOx (g/km)	60.2840	NOx (g/km)	8.1237	NOx (g/km)	6.2460
CO (g/km)	84.9835	CO (g/km)	23.4094	CO (g/km)	13.2687	CO (g/km)	11.2043	CO (g/km)	8.3144
SO2 (g/km)	0.0446	SO2 (g/km)	0.0457	SO2 (g/km)	0.0464	SO2 (g/km)	0.0476	SO2 (g/km)	0.0475
PM (g/km)	9.6127	PM (g/km)	5.7099	PM (g/km)	1.5009	PM (g/km)	0.8077	PM (g/km)	0.2387
PM10 (g/km)	9.0359	PM10 (g/km)	5.3673	PM10 (g/km)	1.4108	PM10 (g/km)	0.7592	PM10 (g/km)	0.2244
NO2 (g/km)	8.5585	NO2 (g/km)	5.6334	NO2 (g/km)	4.2041	NO2 (g/km)	0.5665	NO2 (g/km)	0.4356
CxHy (g/km)	9.6191	CxHy (g/km)	6.7504	CxHy (g/km)	2.4453	CxHy (g/km)	1.9942	CxHy (g/km)	0.8769
methan (g/km)	0.4773	methan (g/km)	0.3350	methan (g/km)	0.1213	methan (g/km)	0.0990	methan (g/km)	0.0435
propan (g/km)	0.0096	propan (g/km)	0.0068	propan (g/km)	0.0024	propan (g/km)	0.0020	propan (g/km)	0.0009
1,3-butadien (g/km)	0.0031	1,3-butadien (g/km)	0.0022	1,3-butadien (g/km)	0.0008	1,3-butadien (g/km)	0.0006	1,3-butadien (g/km)	0.0003
benzen (g/km)	0.1488	benzen (g/km)	0.1045	benzen (g/km)	0.0378	benzen (g/km)	0.0309	benzen (g/km)	0.0136
toluen (g/km)	0.0462	toluen (g/km)	0.0324	toluen (g/km)	0.0117	toluen (g/km)	0.0096	toluen (g/km)	0.0042
styren (g/km)	0.0462	styren (g/km)	0.0324	styren (g/km)	0.0117	styren (g/km)	0.0096	styren (g/km)	0.0042
formaldehyd (g/km)	1.0225	formaldehyd (g/km)	0.7176	formaldehyd (g/km)	0.2599	formaldehyd (g/km)	0.2120	formaldehyd (g/km)	0.0932
acetaldehyd (g/km)	0.5103	acetaldehyd (g/km)	0.3581	acetaldehyd (g/km)	0.1297	acetaldehyd (g/km)	0.1058	acetaldehyd (g/km)	0.0465

Rychlost jízdy 50 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	50.6389	NOx (g/km)	32.6593	NOx (g/km)	24.0508	NOx (g/km)	3.2578	NOx (g/km)	2.4967
CO (g/km)	96.8020	CO (g/km)	27.5248	CO (g/km)	15.4335	CO (g/km)	12.3883	CO (g/km)	9.4185
SO2 (g/km)	0.0133	SO2 (g/km)	0.0134	SO2 (g/km)	0.0136	SO2 (g/km)	0.0140	SO2 (g/km)	0.0139
PM (g/km)	10.6665	PM (g/km)	6.1652	PM (g/km)	1.6121	PM (g/km)	0.8733	PM (g/km)	0.2576
PM10 (g/km)	10.0265	PM10 (g/km)	5.7953	PM10 (g/km)	1.5153	PM10 (g/km)	0.8209	PM10 (g/km)	0.2421
NO2 (g/km)	3.5315	NO2 (g/km)	2.2776	NO2 (g/km)	1.6773	NO2 (g/km)	0.2272	NO2 (g/km)	0.1741
CxHy (g/km)	24.1267	CxHy (g/km)	16.9690	CxHy (g/km)	6.0727	CxHy (g/km)	4.8784	CxHy (g/km)	2.1454
methan (g/km)	1.1973	methan (g/km)	0.8421	methan (g/km)	0.3014	methan (g/km)	0.2421	methan (g/km)	0.1065
propan (g/km)	0.0241	propan (g/km)	0.0170	propan (g/km)	0.0061	propan (g/km)	0.0049	propan (g/km)	0.0021
1,3-butadien (g/km)	0.0078	1,3-butadien (g/km)	0.0055	1,3-butadien (g/km)	0.0020	1,3-butadien (g/km)	0.0016	1,3-butadien (g/km)	0.0007
benzen (g/km)	0.3733	benzen (g/km)	0.2626	benzen (g/km)	0.0940	benzen (g/km)	0.0755	benzen (g/km)	0.0332
toluen (g/km)	0.1158	toluen (g/km)	0.0814	toluen (g/km)	0.0291	toluen (g/km)	0.0234	toluen (g/km)	0.0103
styren (g/km)	0.1158	styren (g/km)	0.0814	styren (g/km)	0.0291	styren (g/km)	0.0234	styren (g/km)	0.0103
formaldehyd (g/km)	2.5647	formaldehyd (g/km)	1.8039	formaldehyd (g/km)	0.6455	formaldehyd (g/km)	0.5186	formaldehyd (g/km)	0.2281
acetaldehyd (g/km)	1.2799	acetaldehyd (g/km)	0.9002	acetaldehyd (g/km)	0.3222	acetaldehyd (g/km)	0.2588	acetaldehyd (g/km)	0.1138

Rychlost jízdy 50 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	100.0417	NOx (g/km)	65.1702	NOx (g/km)	48.5062	NOx (g/km)	6.5557	NOx (g/km)	5.0358
CO (g/km)	112.1492	CO (g/km)	31.4206	CO (g/km)	17.7264	CO (g/km)	14.6121	CO (g/km)	10.9696
SO2 (g/km)	0.0337	SO2 (g/km)	0.0342	SO2 (g/km)	0.0347	SO2 (g/km)	0.0358	SO2 (g/km)	0.0357
PM (g/km)	11.4923	PM (g/km)	6.6900	PM (g/km)	1.7567	PM (g/km)	0.9507	PM (g/km)	0.2807
PM10 (g/km)	10.8027	PM10 (g/km)	6.2886	PM10 (g/km)	1.6513	PM10 (g/km)	0.8936	PM10 (g/km)	0.2639
NO2 (g/km)	6.9768	NO2 (g/km)	4.5449	NO2 (g/km)	3.3828	NO2 (g/km)	0.4572	NO2 (g/km)	0.3512
CxHy (g/km)	18.0654	CxHy (g/km)	12.7154	CxHy (g/km)	4.5359	CxHy (g/km)	3.6531	CxHy (g/km)	1.5991
methan (g/km)	0.8965	methan (g/km)	0.6310	methan (g/km)	0.2251	methan (g/km)	0.1813	methan (g/km)	0.0794
propan (g/km)	0.0181	propan (g/km)	0.0127	propan (g/km)	0.0045	propan (g/km)	0.0037	propan (g/km)	0.0016
1,3-butadien (g/km)	0.0059	1,3-butadien (g/km)	0.0041	1,3-butadien (g/km)	0.0015	1,3-butadien (g/km)	0.0012	1,3-butadien (g/km)	0.0005
benzen (g/km)	0.2795	benzen (g/km)	0.1968	benzen (g/km)	0.0702	benzen (g/km)	0.0565	benzen (g/km)	0.0247
toluen (g/km)	0.0867	toluen (g/km)	0.0610	toluen (g/km)	0.0218	toluen (g/km)	0.0175	toluen (g/km)	0.0077
styren (g/km)	0.0867	styren (g/km)	0.0610	styren (g/km)	0.0218	styren (g/km)	0.0175	styren (g/km)	0.0077
formaldehyd (g/km)	1.9204	formaldehyd (g/km)	1.3517	formaldehyd (g/km)	0.4822	formaldehyd (g/km)	0.3883	formaldehyd (g/km)	0.1700
acetaldehyd (g/km)	0.9584	acetaldehyd (g/km)	0.6745	acetaldehyd (g/km)	0.2406	acetaldehyd (g/km)	0.1938	acetaldehyd (g/km)	0.0848

Rychlost jízdy 50 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	260.1566	NOx (g/km)	171.2399	NOx (g/km)	127.7949	NOx (g/km)	17.2213	NOx (g/km)	13.2408
CO (g/km)	199.7771	CO (g/km)	55.0303	CO (g/km)	31.1917	CO (g/km)	26.3387	CO (g/km)	19.5452
SO2 (g/km)	0.0896	SO2 (g/km)	0.0919	SO2 (g/km)	0.0933	SO2 (g/km)	0.0958	SO2 (g/km)	0.0956
PM (g/km)	21.6724	PM (g/km)	12.8734	PM (g/km)	3.3838	PM (g/km)	1.8210	PM (g/km)	0.5383
PM10 (g/km)	20.3720	PM10 (g/km)	12.1010	PM10 (g/km)	3.1808	PM10 (g/km)	1.7117	PM10 (g/km)	0.5060
NO2 (g/km)	18.1430	NO2 (g/km)	11.9421	NO2 (g/km)	8.9122	NO2 (g/km)	1.2010	NO2 (g/km)	0.9234
CxHy (g/km)	22.2269	CxHy (g/km)	15.5981	CxHy (g/km)	5.6505	CxHy (g/km)	4.6079	CxHy (g/km)	2.0263
methan (g/km)	1.1030	methan (g/km)	0.7740	methan (g/km)	0.2804	methan (g/km)	0.2287	methan (g/km)	0.1006
propan (g/km)	0.0222	propan (g/km)	0.0156	propan (g/km)	0.0057	propan (g/km)	0.0046	propan (g/km)	0.0020
1,3-butadien (g/km)	0.0072	1,3-butadien (g/km)	0.0051	1,3-butadien (g/km)	0.0018	1,3-butadien (g/km)	0.0015	1,3-butadien (g/km)	0.0007
benzen (g/km)	0.3439	benzen (g/km)	0.2414	benzen (g/km)	0.0874	benzen (g/km)	0.0713	benzen (g/km)	0.0314
toluen (g/km)	0.1067	toluen (g/km)	0.0748	toluen (g/km)	0.0271	toluen (g/km)	0.0221	toluen (g/km)	0.0097
styren (g/km)	0.1067	styren (g/km)	0.0748	styren (g/km)	0.0271	styren (g/km)	0.0221	styren (g/km)	0.0097
formaldehyd (g/km)	2.3628	formaldehyd (g/km)	1.6581	formaldehyd (g/km)	0.6007	formaldehyd (g/km)	0.4898	formaldehyd (g/km)	0.2154
acetaldehyd (g/km)	1.1791	acetaldehyd (g/km)	0.8275	acetaldehyd (g/km)	0.2998	acetaldehyd (g/km)	0.2444	acetaldehyd (g/km)	0.1075

## 2.11. HDV, diesel, rychlost 90 km/h

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	19.0589	11.9489	8.5900	1.1099
CO (g/km)	20.3454	5.7612	3.1902	2.5115
SO2 (g/km)	0.0055	0.0055	0.0055	0.0056
PM (g/km)	2.2962	1.3282	0.3559	0.1880
PM10 (g/km)	2.1584	1.2485	0.3346	0.1767
NO2 (g/km)	0.8804	0.5520	0.3968	0.0513
CxHy (g/km)	3.9838	2.8495	1.0167	0.8287
methan (g/km)	0.2332	0.1668	0.0595	0.0485
propan (g/km)	0.0040	0.0028	0.0010	0.0008
1,3-butadien (g/km)	0.0008	0.0006	0.0002	0.0002
benzen (g/km)	0.0697	0.0498	0.0178	0.0145
toluen (g/km)	0.0222	0.0159	0.0057	0.0046
styren (g/km)	0.0222	0.0159	0.0057	0.0046
formaldehyd (g/km)	0.3575	0.2557	0.0912	0.0744
acetaldehyd (g/km)	0.1781	0.1274	0.0454	0.0370

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	37.6526	23.8436	17.3246	2.2334
CO (g/km)	23.5710	6.5766	3.6641	2.9624
SO2 (g/km)	0.0138	0.0140	0.0141	0.0144
PM (g/km)	2.4739	1.4412	0.3879	0.2046
PM10 (g/km)	2.3255	1.3548	0.3646	0.1924
NO2 (g/km)	1.7393	1.1014	0.8003	0.1032
CxHy (g/km)	2.9830	2.1352	0.7594	0.6206
methan (g/km)	0.1746	0.1250	0.0445	0.0363
propan (g/km)	0.0030	0.0021	0.0008	0.0006
1,3-butadien (g/km)	0.0006	0.0004	0.0002	0.0001
benzen (g/km)	0.0522	0.0374	0.0133	0.0109
toluen (g/km)	0.0166	0.0119	0.0042	0.0035
styren (g/km)	0.0166	0.0119	0.0042	0.0035
formaldehyd (g/km)	0.2677	0.1916	0.0681	0.0557
acetaldehyd (g/km)	0.1333	0.0954	0.0339	0.0277

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	97.9149	62.6510	45.6436	5.8670
CO (g/km)	41.9881	11.5183	6.4475	5.3398
SO2 (g/km)	0.0369	0.0375	0.0379	0.0385
PM (g/km)	4.6654	2.7733	0.7471	0.3920
PM10 (g/km)	4.3855	2.6069	0.7023	0.3685
NO2 (g/km)	4.5231	2.8941	2.1085	0.2710
CxHy (g/km)	3.6701	2.6193	0.9460	0.7828
methan (g/km)	0.2148	0.1533	0.0554	0.0458
propan (g/km)	0.0037	0.0026	0.0009	0.0008
1,3-butadien (g/km)	0.0007	0.0005	0.0002	0.0002
benzen (g/km)	0.0642	0.0458	0.0165	0.0137
toluen (g/km)	0.0204	0.0146	0.0053	0.0044
styren (g/km)	0.0204	0.0146	0.0053	0.0044
formaldehyd (g/km)	0.3293	0.2350	0.0849	0.0702
acetaldehyd (g/km)	0.1640	0.1171	0.0423	0.0350

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	31.9027	20.0013	14.3789	1.8578
CO (g/km)	37.7169	10.6803	5.9141	4.6560
SO2 (g/km)	0.0087	0.0087	0.0088	0.0090
PM (g/km)	4.0794	2.3597	0.6324	0.3340
PM10 (g/km)	3.8347	2.2181	0.5944	0.3139
NO2 (g/km)	1.4737	0.9239	0.6642	0.0858
CxHy (g/km)	5.7132	4.0864	1.4580	1.1884
methan (g/km)	0.3344	0.2392	0.0853	0.0696
propan (g/km)	0.0057	0.0041	0.0015	0.0012
1,3-butadien (g/km)	0.0011	0.0008	0.0003	0.0002
benzen (g/km)	0.0999	0.0715	0.0255	0.0208
toluen (g/km)	0.0318	0.0228	0.0081	0.0066
styren (g/km)	0.0318	0.0228	0.0081	0.0066
formaldehyd (g/km)	0.5126	0.3667	0.1308	0.1066
acetaldehyd (g/km)	0.2554	0.1826	0.0652	0.0531

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	63.0266	39.9118	28.9997	2.8837
CO (g/km)	43.6966	12.1920	6.7927	4.1388
SO2 (g/km)	0.0221	0.0223	0.0225	0.0229
PM (g/km)	4.3953	2.5605	0.6891	0.1094
PM10 (g/km)	4.1315	2.4069	0.6478	0.1028
NO2 (g/km)	2.9114	1.8437	1.3396	0.1332
CxHy (g/km)	4.2779	3.0621	1.0891	0.3900
methan (g/km)	0.2504	0.1792	0.0637	0.0228
propan (g/km)	0.0043	0.0031	0.0011	0.0004
1,3-butadien (g/km)	0.0009	0.0006	0.0002	0.0001
benzen (g/km)	0.0748	0.0536	0.0191	0.0068
toluen (g/km)	0.0238	0.0171	0.0061	0.0022
styren (g/km)	0.0238	0.0171	0.0061	0.0022
formaldehyd (g/km)	0.3838	0.2747	0.0977	0.0350
acetaldehyd (g/km)	0.1912	0.1369	0.0487	0.0174

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	163.8996	104.8714	76.4027	7.5822
CO (g/km)	77.8390	21.3531	11.9526	7.3744
SO2 (g/km)	0.0588	0.0598	0.0604	0.0614
PM (g/km)	8.2887	4.9272	1.3274	0.2098
PM10 (g/km)	7.7913	4.6316	1.2477	0.1972
NO2 (g/km)	7.5711	4.8444	3.5293	0.3502
CxHy (g/km)	5.2633	3.7563	1.3567	0.4942
methan (g/km)	0.3081	0.2199	0.0794	0.0289
propan (g/km)	0.0053	0.0038	0.0014	0.0005
1,3-butadien (g/km)	0.0011	0.0007	0.0003	0.0001
benzen (g/km)	0.0921	0.0657	0.0237	0.0086
toluen (g/km)	0.0293	0.0209	0.0076	0.0028
styren (g/km)	0.0293	0.0209	0.0076	0.0028
formaldehyd (g/km)	0.4723	0.3370	0.1217	0.0443
acetaldehyd (g/km)	0.2352	0.1679	0.0606	0.0221

Rychlost jízdy 90 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	67.6298	42.4004	30.4814	3.0308
CO (g/km)	88.6639	25.1070	13.9026	8.3537
SO2 (g/km)	0.0176	0.0175	0.0177	0.0180
PM (g/km)	9.1973	5.3200	1.4257	0.2264
PM10 (g/km)	8.6455	5.0008	1.3402	0.2128
NO2 (g/km)	3.1241	1.9586	1.4081	0.1400
CxHy (g/km)	13.2015	9.4425	3.3691	1.2089
methan (g/km)	0.7727	0.5527	0.1972	0.0708
propan (g/km)	0.0132	0.0094	0.0034	0.0012
1,3-butadien (g/km)	0.0026	0.0019	0.0007	0.0002
benzen (g/km)	0.2309	0.1652	0.0589	0.0211
toluen (g/km)	0.0735	0.0526	0.0188	0.0067
styren (g/km)	0.0735	0.0526	0.0188	0.0067
formaldehyd (g/km)	1.1845	0.8472	0.3023	0.1085
acetaldehyd (g/km)	0.5901	0.4220	0.1506	0.0540

Rychlost jízdy 90 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	133.6089	84.6082	61.4758	6.1130
CO (g/km)	102.7208	28.6606	15.9682	9.7294
SO2 (g/km)	0.0444	0.0447	0.0452	0.0460
PM (g/km)	9.9094	5.7729	1.5536	0.2467
PM10 (g/km)	9.3148	5.4265	1.4604	0.2319
NO2 (g/km)	6.1719	3.9084	2.8398	0.2824
CxHy (g/km)	9.8849	7.0756	2.5165	0.9011
methan (g/km)	0.5786	0.4142	0.1473	0.0527
propan (g/km)	0.0099	0.0071	0.0025	0.0009
1,3-butadien (g/km)	0.0020	0.0014	0.0005	0.0002
benzen (g/km)	0.1729	0.1238	0.0440	0.0158
toluen (g/km)	0.0551	0.0394	0.0140	0.0050
styren (g/km)	0.0551	0.0394	0.0140	0.0050
formaldehyd (g/km)	0.8869	0.6349	0.2258	0.0809
acetaldehyd (g/km)	0.4418	0.3162	0.1125	0.0403

Rychlost jízdy 90 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	347.4474	NOx (g/km)	222.3148	NOx (g/km)	161.9645	NOx (g/km)	20.8189	NOx (g/km)	16.0733
CO (g/km)	182.9819	CO (g/km)	50.1963	CO (g/km)	28.0978	CO (g/km)	23.2705	CO (g/km)	17.3355
SO2 (g/km)	0.1182	SO2 (g/km)	0.1203	SO2 (g/km)	0.1214	SO2 (g/km)	0.1235	SO2 (g/km)	0.1234
PM (g/km)	18.6873	PM (g/km)	11.1087	PM (g/km)	2.9926	PM (g/km)	1.5701	PM (g/km)	0.4730
PM10 (g/km)	17.5661	PM10 (g/km)	10.4422	PM10 (g/km)	2.8131	PM10 (g/km)	1.4759	PM10 (g/km)	0.4446
NO2 (g/km)	16.0499	NO2 (g/km)	10.2696	NO2 (g/km)	7.4818	NO2 (g/km)	0.9617	NO2 (g/km)	0.7425
CxHy (g/km)	12.1620	CxHy (g/km)	8.6797	CxHy (g/km)	3.1348	CxHy (g/km)	2.5939	CxHy (g/km)	1.1418
methan (g/km)	0.7119	methan (g/km)	0.5081	methan (g/km)	0.1835	methan (g/km)	0.1518	methan (g/km)	0.0668
propan (g/km)	0.0122	propan (g/km)	0.0087	propan (g/km)	0.0031	propan (g/km)	0.0026	propan (g/km)	0.0011
1,3-butadien (g/km)	0.0024	1,3-butadien (g/km)	0.0017	1,3-butadien (g/km)	0.0006	1,3-butadien (g/km)	0.0005	1,3-butadien (g/km)	0.0002
benzen (g/km)	0.2128	benzen (g/km)	0.1518	benzen (g/km)	0.0548	benzen (g/km)	0.0454	benzen (g/km)	0.0200
toluen (g/km)	0.0677	toluen (g/km)	0.0483	toluen (g/km)	0.0175	toluen (g/km)	0.0144	toluen (g/km)	0.0064
styren (g/km)	0.0677	styren (g/km)	0.0483	styren (g/km)	0.0175	styren (g/km)	0.0144	styren (g/km)	0.0064
formaldehyd (g/km)	1.0913	formaldehyd (g/km)	0.7788	formaldehyd (g/km)	0.2813	formaldehyd (g/km)	0.2327	formaldehyd (g/km)	0.1025
acetaldehyd (g/km)	0.5436	acetaldehyd (g/km)	0.3879	acetaldehyd (g/km)	0.1401	acetaldehyd (g/km)	0.1159	acetaldehyd (g/km)	0.0510

## 2.12. HDV, diesel, rychlost 100 km/h

Rychlost jízdy 100 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	19.1026	13.4988	9.8157	8.8974
CO (g/km)	21.3595	6.0138	3.3139	2.0252
SO2 (g/km)	0.0063	0.0063	0.0063	0.0065
PM (g/km)	2.2598	1.3053	0.3680	0.0586
PM10 (g/km)	2.1242	1.2270	0.3459	0.0551
NO2 (g/km)	0.8178	0.5779	0.4202	0.0384
CxHy (g/km)	3.6941	2.7031	0.9494	0.3420
methan (g/km)	0.2207	0.1615	0.0567	0.0204
propan (g/km)	0.0037	0.0027	0.0009	0.0003
1,3-butadien (g/km)	0.0007	0.0005	0.0002	0.0001
benzen (g/km)	0.0644	0.0471	0.0165	0.0060
toluen (g/km)	0.0211	0.0155	0.0054	0.0020
styren (g/km)	0.0211	0.0155	0.0054	0.0020
formaldehyd (g/km)	0.3250	0.2378	0.0835	0.0301
acetaldehyd (g/km)	0.1609	0.1177	0.0414	0.0149

Rychlost jízdy 100 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	37.7390	26.9363	19.7967	1.8101
CO (g/km)	24.7459	6.8649	3.8063	2.3587
SO2 (g/km)	0.0158	0.0160	0.0162	0.0165
PM (g/km)	2.4348	1.4165	0.4010	0.0639
PM10 (g/km)	2.2887	1.3315	0.3770	0.0600
NO2 (g/km)	1.6156	1.1531	0.8475	0.0775
CxHy (g/km)	2.7661	2.0255	0.7091	0.2549
methan (g/km)	0.1652	0.1210	0.0424	0.0152
propan (g/km)	0.0028	0.0020	0.0007	0.0003
1,3-butadien (g/km)	0.0005	0.0004	0.0001	0.0000
benzen (g/km)	0.0482	0.0353	0.0124	0.0044
toluen (g/km)	0.0158	0.0116	0.0041	0.0015
styren (g/km)	0.0158	0.0116	0.0041	0.0015
formaldehyd (g/km)	0.2433	0.1782	0.0624	0.0224
acetaldehyd (g/km)	0.1205	0.0882	0.0309	0.0111

Rychlost jízdy 100 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 1

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	98.1395	70.7772	52.1564	4.7595
CO (g/km)	44.0811	12.0233	6.6976	4.2027
SO2 (g/km)	0.0421	0.0431	0.0435	0.0442
PM (g/km)	4.5915	2.7257	0.7725	0.1225
PM10 (g/km)	4.3160	2.5621	0.7261	0.1151
NO2 (g/km)	4.2012	3.0299	2.2327	0.2037
CxHy (g/km)	3.4032	2.4847	0.8834	0.3230
methan (g/km)	0.2033	0.1484	0.0528	0.0193
propan (g/km)	0.0034	0.0025	0.0009	0.0003
1,3-butadien (g/km)	0.0006	0.0005	0.0002	0.0001
benzen (g/km)	0.0593	0.0433	0.0154	0.0056
toluen (g/km)	0.0195	0.0142	0.0051	0.0018
styren (g/km)	0.0195	0.0142	0.0051	0.0018
formaldehyd (g/km)	0.2994	0.2186	0.0777	0.0284
acetaldehyd (g/km)	0.1482	0.1082	0.0385	0.0141

Rychlost jízdy 100 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	31.9759	22.5956	16.4306	1.5022
CO (g/km)	39.5969	11.1485	6.1435	3.7544
SO2 (g/km)	0.0100	0.0100	0.0101	0.0103
PM (g/km)	4.0148	2.3191	0.6538	0.1041
PM10 (g/km)	3.7740	2.1799	0.6146	0.0979
NO2 (g/km)	1.3688	0.9673	0.7034	0.0643
CxHy (g/km)	5.2977	3.8765	1.3615	0.4905
methan (g/km)	0.3165	0.2316	0.0813	0.0293
propan (g/km)	0.0053	0.0039	0.0014	0.0005
1,3-butadien (g/km)	0.0010	0.0007	0.0003	0.0001
benzen (g/km)	0.0923	0.0676	0.0237	0.0085
toluen (g/km)	0.0303	0.0222	0.0078	0.0028
styren (g/km)	0.0303	0.0222	0.0078	0.0028
formaldehyd (g/km)	0.4660	0.3410	0.1198	0.0431
acetaldehyd (g/km)	0.2307	0.1688	0.0593	0.0214

Rychlost jízdy 100 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	63.1712	NOx (g/km) 45.0886	NOx (g/km) 33.1376	NOx (g/km) 3.8379
CO (g/km)	45.8747	CO (g/km) 12.7264	CO (g/km) 7.0562	CO (g/km) 5.7650
SO2 (g/km)	0.0252	SO2 (g/km) 0.0256	SO2 (g/km) 0.0258	SO2 (g/km) 0.0264
PM (g/km)	4.3257	PM (g/km) 2.5165	PM (g/km) 0.7125	PM (g/km) 0.3573
PM10 (g/km)	4.0661	PM10 (g/km) 2.3655	PM10 (g/km) 0.6697	PM10 (g/km) 0.3358
NO2 (g/km)	2.7043	NO2 (g/km) 1.9302	NO2 (g/km) 1.4186	NO2 (g/km) 0.1643
CxHy (g/km)	3.9668	CxHy (g/km) 2.9048	CxHy (g/km) 0.1070	CxHy (g/km) 0.8342
methan (g/km)	0.2370	methan (g/km) 0.1735	methan (g/km) 0.0607	methan (g/km) 0.0498
propan (g/km)	0.0040	propan (g/km) 0.0029	propan (g/km) 0.0010	propan (g/km) 0.0008
1,3-butadien (g/km)	0.0007	1,3-butadien (g/km) 0.0005	1,3-butadien (g/km) 0.0002	1,3-butadien (g/km) 0.0002
benzen (g/km)	0.0691	benzen (g/km) 0.0506	benzen (g/km) 0.0177	benzen (g/km) 0.0145
toluen (g/km)	0.0227	toluen (g/km) 0.0166	toluen (g/km) 0.0058	toluen (g/km) 0.0048
styren (g/km)	0.0227	styren (g/km) 0.0166	styren (g/km) 0.0058	styren (g/km) 0.0048
formaldehyd (g/km)	0.3490	formaldehyd (g/km) 0.2555	formaldehyd (g/km) 0.0895	formaldehyd (g/km) 0.0734
acetaldehyd (g/km)	0.1728	acetaldehyd (g/km) 0.1265	acetaldehyd (g/km) 0.0443	acetaldehyd (g/km) 0.0363

Rychlost jízdy 100 km/h  
Podélný sklon vozovky 5%  
Plynulost provozu 5

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	164.2756	NOx (g/km) 118.4739	NOx (g/km) 87.3046	NOx (g/km) 10.0819
CO (g/km)	81.7189	CO (g/km) 22.2892	CO (g/km) 12.4163	CO (g/km) 10.3915
SO2 (g/km)	0.0671	SO2 (g/km) 0.0688	SO2 (g/km) 0.0694	SO2 (g/km) 0.0707
PM (g/km)	8.1575	PM (g/km) 4.8425	PM (g/km) 1.3724	PM (g/km) 0.6844
PM10 (g/km)	7.6680	PM10 (g/km) 4.5519	PM10 (g/km) 1.2900	PM10 (g/km) 0.6433
NO2 (g/km)	7.0324	NO2 (g/km) 5.0717	NO2 (g/km) 3.7374	NO2 (g/km) 0.4316
CxHy (g/km)	4.8806	CxHy (g/km) 3.5633	CxHy (g/km) 1.2668	CxHy (g/km) 1.0523
methan (g/km)	0.2915	methan (g/km) 0.2129	methan (g/km) 0.0757	methan (g/km) 0.0629
propan (g/km)	0.0049	propan (g/km) 0.0036	propan (g/km) 0.0013	propan (g/km) 0.0011
1,3-butadien (g/km)	0.0009	1,3-butadien (g/km) 0.0007	1,3-butadien (g/km) 0.0002	1,3-butadien (g/km) 0.0002
benzen (g/km)	0.0851	benzen (g/km) 0.0621	benzen (g/km) 0.0221	benzen (g/km) 0.0183
toluen (g/km)	0.0279	toluen (g/km) 0.0204	toluen (g/km) 0.0072	toluen (g/km) 0.0060
styren (g/km)	0.0279	styren (g/km) 0.0204	styren (g/km) 0.0072	styren (g/km) 0.0060
formaldehyd (g/km)	0.4293	formaldehyd (g/km) 0.3135	formaldehyd (g/km) 0.1114	formaldehyd (g/km) 0.0926
acetaldehyd (g/km)	0.2126	acetaldehyd (g/km) 0.1552	acetaldehyd (g/km) 0.0552	acetaldehyd (g/km) 0.0458

Rychlost jízdy 100 km/h  
Podélný sklon vozovky -5%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	67.7850	NOx (g/km) 47.9000	NOx (g/km) 34.8308	NOx (g/km) 4.0431
CO (g/km)	93.0834	CO (g/km) 26.2076	CO (g/km) 14.4420	CO (g/km) 11.4896
SO2 (g/km)	0.0201	SO2 (g/km) 0.0201	SO2 (g/km) 0.0203	SO2 (g/km) 0.0208
PM (g/km)	9.0517	PM (g/km) 5.2285	PM (g/km) 1.4740	PM (g/km) 0.7400
PM10 (g/km)	8.5086	PM10 (g/km) 4.9148	PM10 (g/km) 1.3856	PM10 (g/km) 0.6956
NO2 (g/km)	2.9018	NO2 (g/km) 2.0505	NO2 (g/km) 1.4911	NO2 (g/km) 0.1731
CxHy (g/km)	12.2415	CxHy (g/km) 8.9575	CxHy (g/km) 3.1460	CxHy (g/km) 2.5742
methan (g/km)	0.7312	methan (g/km) 0.5351	methan (g/km) 0.1879	methan (g/km) 0.1538
propan (g/km)	0.0122	propan (g/km) 0.0090	propan (g/km) 0.0031	propan (g/km) 0.0026
1,3-butadien (g/km)	0.0023	1,3-butadien (g/km) 0.0017	1,3-butadien (g/km) 0.0006	1,3-butadien (g/km) 0.0005
benzen (g/km)	0.2134	benzen (g/km) 0.1561	benzen (g/km) 0.0548	benzen (g/km) 0.0449
toluen (g/km)	0.0701	toluen (g/km) 0.0513	toluen (g/km) 0.0180	toluen (g/km) 0.0147
styren (g/km)	0.0701	styren (g/km) 0.0513	styren (g/km) 0.0180	styren (g/km) 0.0147
formaldehyd (g/km)	1.0769	formaldehyd (g/km) 0.7880	formaldehyd (g/km) 0.2767	formaldehyd (g/km) 0.2264
acetaldehyd (g/km)	0.5332	acetaldehyd (g/km) 0.3902	acetaldehyd (g/km) 0.1370	acetaldehyd (g/km) 0.1121

Rychlost jízdy 100 km/h  
Podélný sklon vozovky 0%  
Plynulost provozu 10

Konvenční	Euro 1	Euro 2	Euro 3	Euro 4
NOx (g/km)	133.9154	NOx (g/km) 95.5824	NOx (g/km) 70.2478	NOx (g/km) 8.1359
CO (g/km)	107.8410	CO (g/km) 29.9170	CO (g/km) 16.5876	CO (g/km) 13.5522
SO2 (g/km)	0.0507	SO2 (g/km) 0.0514	SO2 (g/km) 0.0520	SO2 (g/km) 0.0530
PM (g/km)	9.7525	PM (g/km) 5.6736	PM (g/km) 1.6063	PM (g/km) 0.8055
PM10 (g/km)	9.1674	PM10 (g/km) 5.3332	PM10 (g/km) 1.5099	PM10 (g/km) 0.7572
NO2 (g/km)	5.7327	NO2 (g/km) 4.0918	NO2 (g/km) 3.0072	NO2 (g/km) 0.3483
CxHy (g/km)	9.1661	CxHy (g/km) 6.7121	CxHy (g/km) 2.3499	CxHy (g/km) 1.9276
methan (g/km)	0.5475	methan (g/km) 0.4009	methan (g/km) 0.1404	methan (g/km) 0.1151
propan (g/km)	0.0092	propan (g/km) 0.0067	propan (g/km) 0.0023	propan (g/km) 0.0019
1,3-butadien (g/km)	0.0017	1,3-butadien (g/km) 0.0012	1,3-butadien (g/km) 0.0004	1,3-butadien (g/km) 0.0004
benzen (g/km)	0.1598	benzen (g/km) 0.1170	benzen (g/km) 0.0410	benzen (g/km) 0.0336
toluen (g/km)	0.0525	toluen (g/km) 0.0384	toluen (g/km) 0.0134	toluen (g/km) 0.0110
styren (g/km)	0.0525	styren (g/km) 0.0384	styren (g/km) 0.0134	styren (g/km) 0.0110
formaldehyd (g/km)	0.8063	formaldehyd (g/km) 0.5905	formaldehyd (g/km) 0.2067	formaldehyd (g/km) 0.1696
acetaldehyd (g/km)	0.3992	acetaldehyd (g/km) 0.2924	acetaldehyd (g/km) 0.1024	acetaldehyd (g/km) 0.0840

Rychlost jízdy 100 km/h  
 Podélný sklon vozovky 5%  
 Plynulost provozu 10

Konvenční		Euro 1		Euro 2		Euro 3		Euro 4	
NOx (g/km)	348.2444	NOx (g/km)	251.1504	NOx (g/km)	185.0752	NOx (g/km)	21.3724	NOx (g/km)	16.8888
CO (g/km)	192.1027	CO (g/km)	52.3968	CO (g/km)	29.1879	CO (g/km)	24.4282	CO (g/km)	18.3151
SO2 (g/km)	0.1350	SO2 (g/km)	0.1383	SO2 (g/km)	0.1396	SO2 (g/km)	0.1421	SO2 (g/km)	0.1419
PM (g/km)	18.3915	PM (g/km)	10.9177	PM (g/km)	3.0941	PM (g/km)	1.5429	PM (g/km)	0.4905
PM10 (g/km)	17.2880	PM10 (g/km)	10.2626	PM10 (g/km)	2.9084	PM10 (g/km)	1.4504	PM10 (g/km)	0.4611
NO2 (g/km)	14.9079	NO2 (g/km)	10.7514	NO2 (g/km)	7.9228	NO2 (g/km)	0.9149	NO2 (g/km)	0.7230
CxHy (g/km)	11.2776	CxHy (g/km)	8.2338	CxHy (g/km)	2.9273	CxHy (g/km)	2.4315	CxHy (g/km)	1.0705
methan (g/km)	0.6737	methan (g/km)	0.4918	methan (g/km)	0.1749	methan (g/km)	0.1452	methan (g/km)	0.0639
propan (g/km)	0.0113	propan (g/km)	0.0082	propan (g/km)	0.0029	propan (g/km)	0.0024	propan (g/km)	0.0011
1,3-butadien (g/km)	0.0021	1,3-butadien (g/km)	0.0015	1,3-butadien (g/km)	0.0005	1,3-butadien (g/km)	0.0004	1,3-butadien (g/km)	0.0002
benzen (g/km)	0.1966	benzen (g/km)	0.1435	benzen (g/km)	0.0510	benzen (g/km)	0.0424	benzen (g/km)	0.0187
toluen (g/km)	0.0645	toluen (g/km)	0.0471	toluen (g/km)	0.0168	toluen (g/km)	0.0139	toluen (g/km)	0.0061
styren (g/km)	0.0645	styren (g/km)	0.0471	styren (g/km)	0.0168	styren (g/km)	0.0139	styren (g/km)	0.0061
formaldehyd (g/km)	0.9921	formaldehyd (g/km)	0.7243	formaldehyd (g/km)	0.2575	formaldehyd (g/km)	0.2139	formaldehyd (g/km)	0.0942
acetaldehyd (g/km)	0.4912	acetaldehyd (g/km)	0.3586	acetaldehyd (g/km)	0.1275	acetaldehyd (g/km)	0.1059	acetaldehyd (g/km)	0.0466