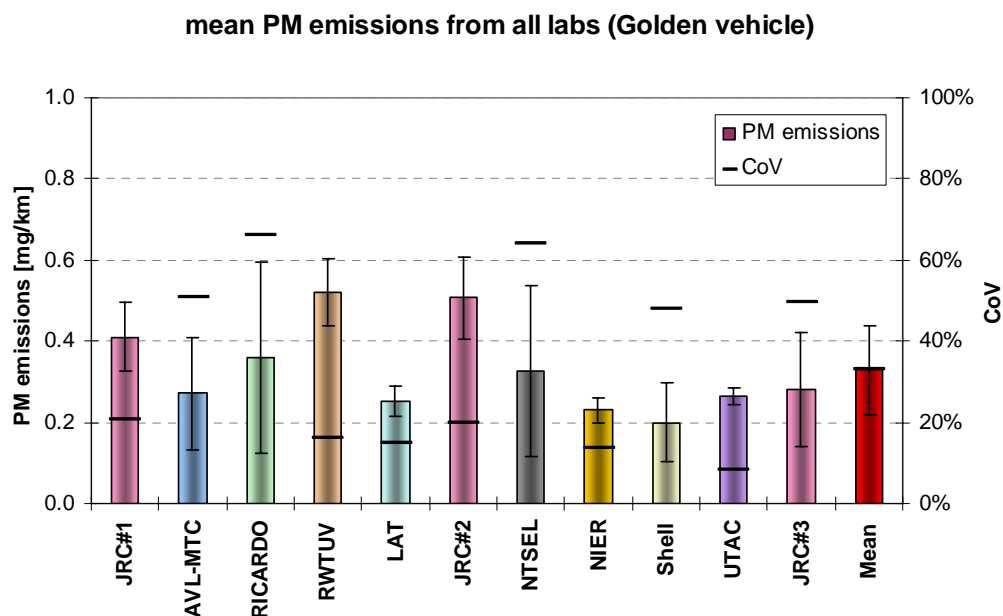


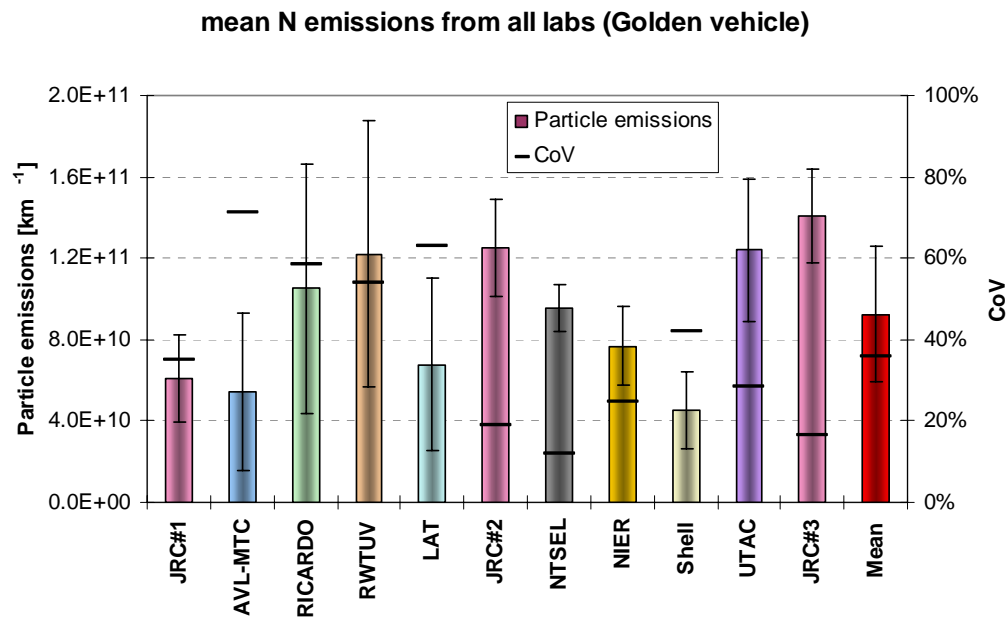
**PMP Light Duty Inter-Laboratory Correlation Exercise Final Results Summary****Introduction**

This document provides a summary of the final results of the PMP light duty validation testing. Nine laboratories participated. The golden vehicle (Au-vehicle) was measured in all labs. Another 15 vehicles were also tested in 8 labs (Table 1). Error bars represent +/- 1 standard deviation.

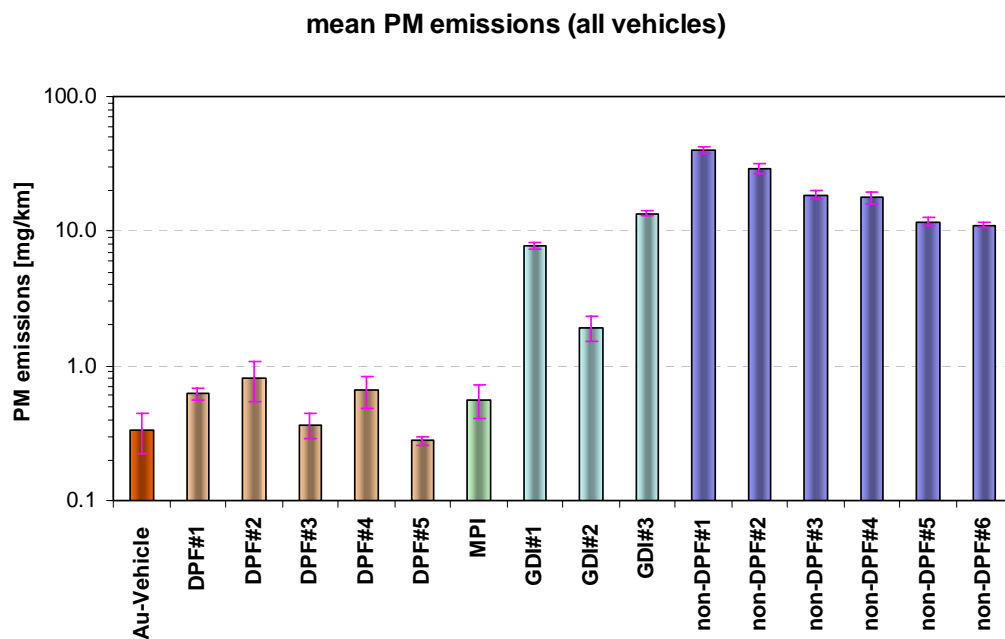
**Table 1:** Vehicles tested.

Vehicle	Type	Lab	Code
Peugeot 407 HDi FAP 2000 cc	DPF Diesel [Oxcat, uncoated DPF, FBC]	All	Au-Vehicle
BMW 525d catalysed DPF equipped, 2500 cc	DPF Diesel [Oxcat, catalysed DPF]	RICARDO	DPF#1
Mazda Bongo catalysed DPF, 2000cc	DPF Diesel [Oxcat, catalysed DPF]	NTSEL	DPF#2
Toyota Avensis D-CAT 2000cc	DPF Diesel [Oxcat, deNOx, catalysed DPF]	SHELL	DPF#3
Mercedes Vito Van DPF 3000cc	DPF Diesel [Oxcat, catalysed DPF]	SHELL	DPF#4
Peugeot 206 HDi FAP	DPF Diesel [Oxcat, uncoated DPF, FBC]	UTAC	DPF#5
FIAT, Idea, MPI, EURO-4, TWC, 1400cc	Port-injected gasoline	JRC	MPI Vehicle
Mitsubishi, Carisma, GDI, TWC/deNOx 1800 cc	Direct-Injection Gasoline (lean)	RWTUV	GDI Vehicle#1
VW, GOLF FSI, TWC/deNOx 1600 cc	Direct-Injection Gasoline (lean)	JRC	GDI Vehicle#2
Toyota Crown G-Di, 3000cc	Direct-Injection Gasoline (lean)	NTSEL	GDI Vehicle#3
BMW 120d PMFC 2000cc	Conventional Diesel	SHELL	non-DPF#1
Audi A2, TDi, EURO-4, Oxcat, 1500 cc	Conventional Diesel	RICARDO	non-DPF#2
VW, GOLF TDi, non-DPF, Oxcat, 1800 cc	Conventional Diesel	RWTUEV	non-DPF#3
Honda Accord i-CTDi, EURO-4, Oxcat/deNOx, 2200 cc	Conventional Diesel	LAT	non-DPF#4
Kia Pride, non-DPF, 1500cc	Conventional Diesel	NIER	non-DPF#5
Vauxhall Astra, CDTi, 1700cc	Conventional Diesel	SHELL	non-DPF#6

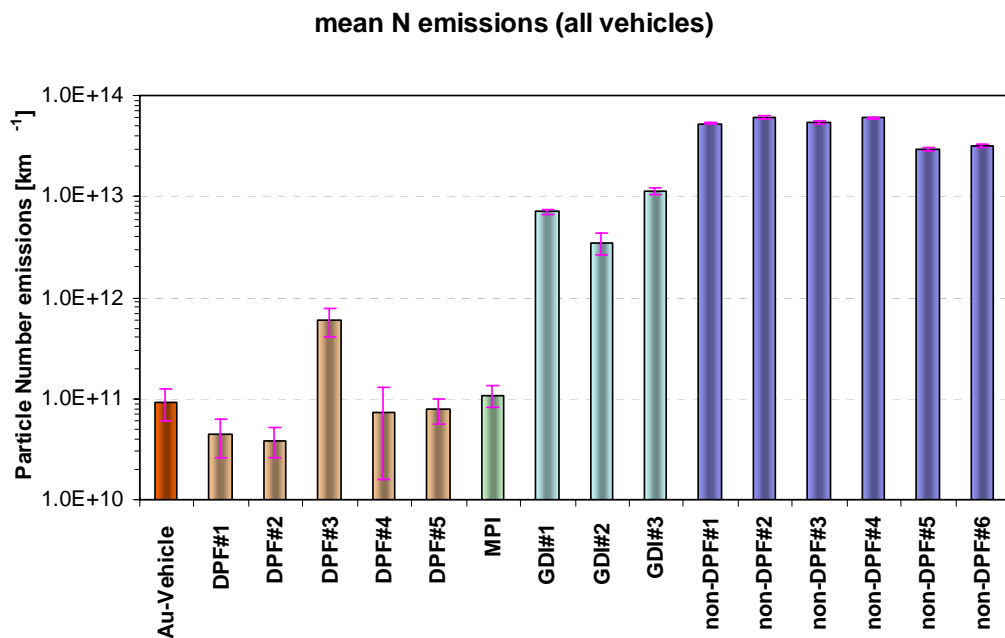
**Results****Figure 1:** Mean particulate matter (PM) emissions for the golden vehicle (Au-vehicle).



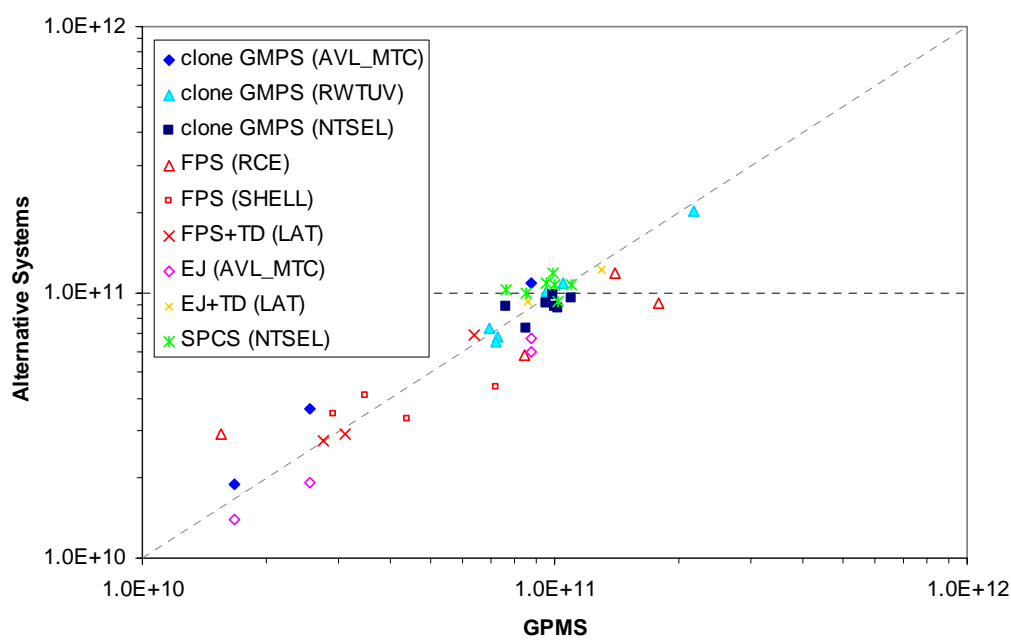
**Figure 2:** Mean particle number (N) emissions for the golden vehicle (Au-vehicle).



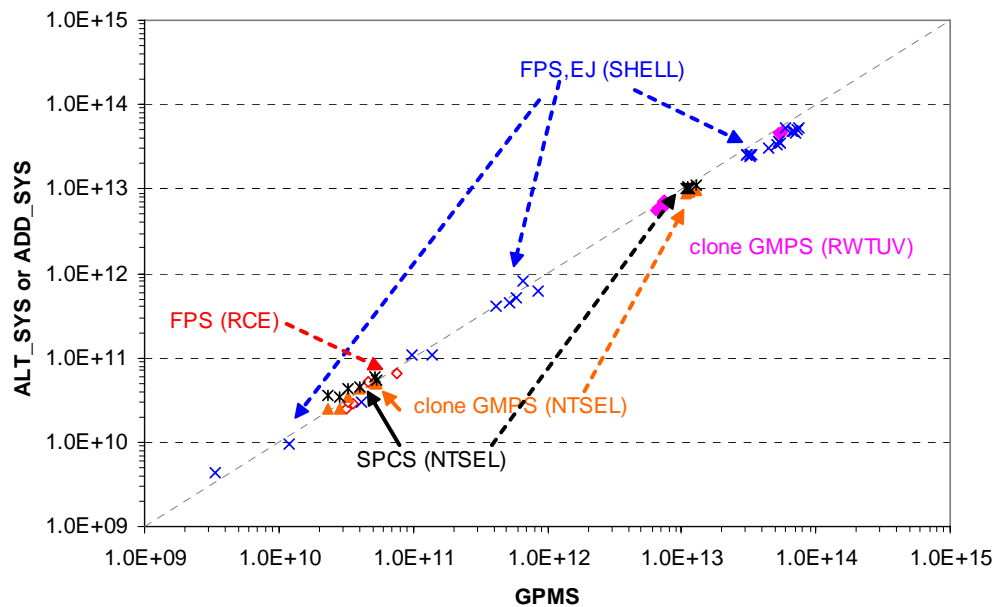
**Figure 3:** Mean particulate matter (PM) emissions of all vehicles.



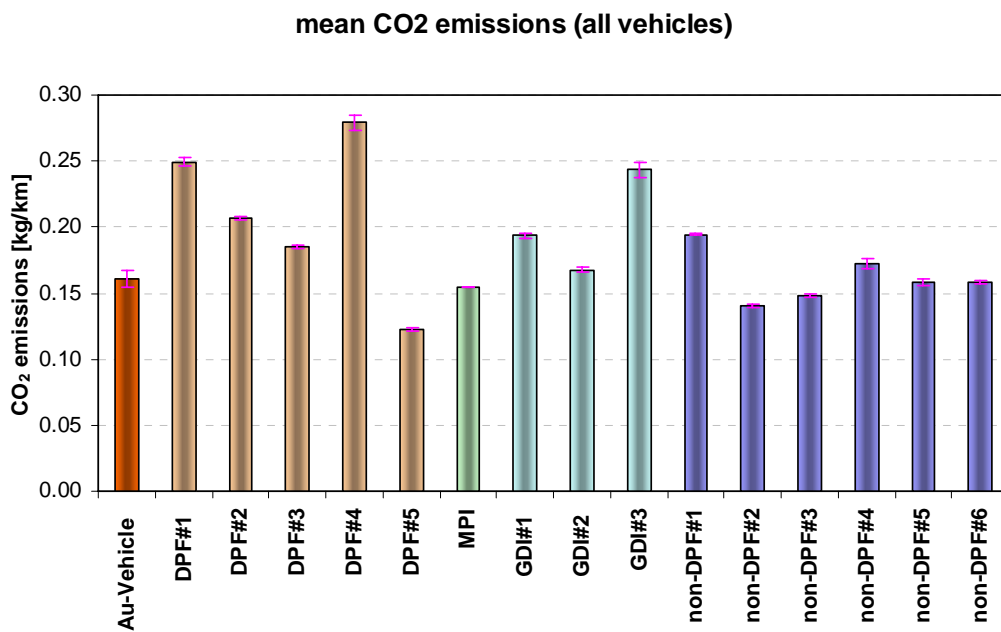
**Figure 4:** Mean particle number (N) emissions of all vehicles.



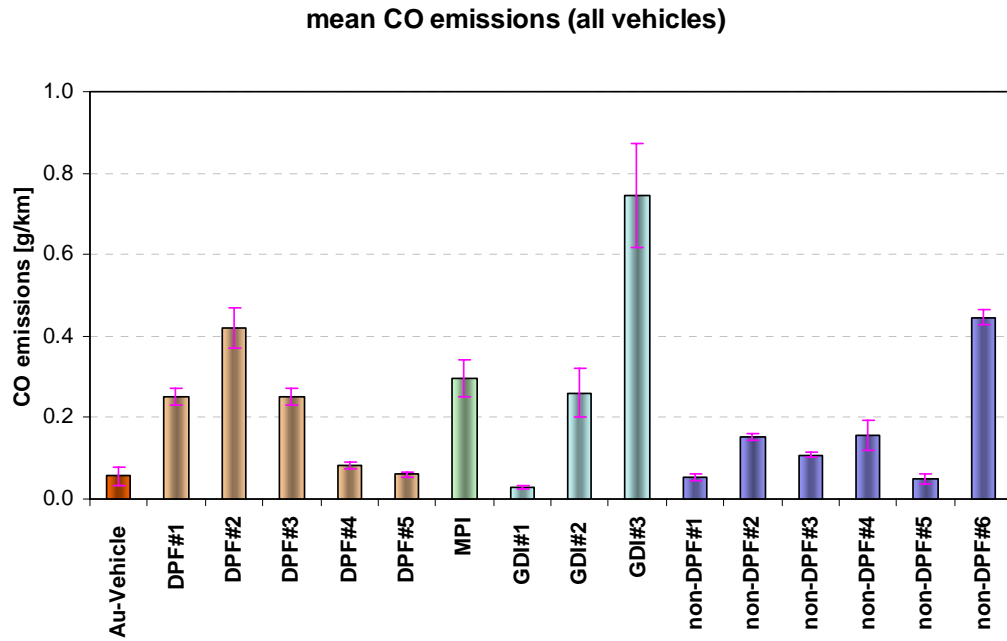
**Figure 5:** Comparison of Golden Particle Measurement System (GPMS) with other particle measurement systems for the Golden vehicle.



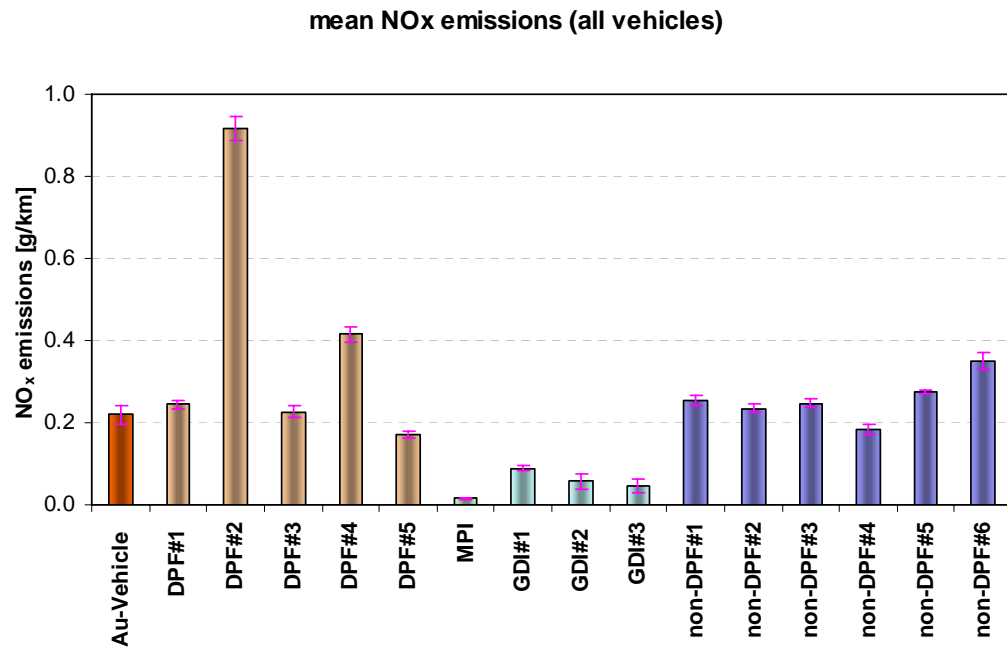
**Figure 6:** Comparison of Golden Particle Measurement System (GPMS) with other particle measurement systems for all other vehicles.



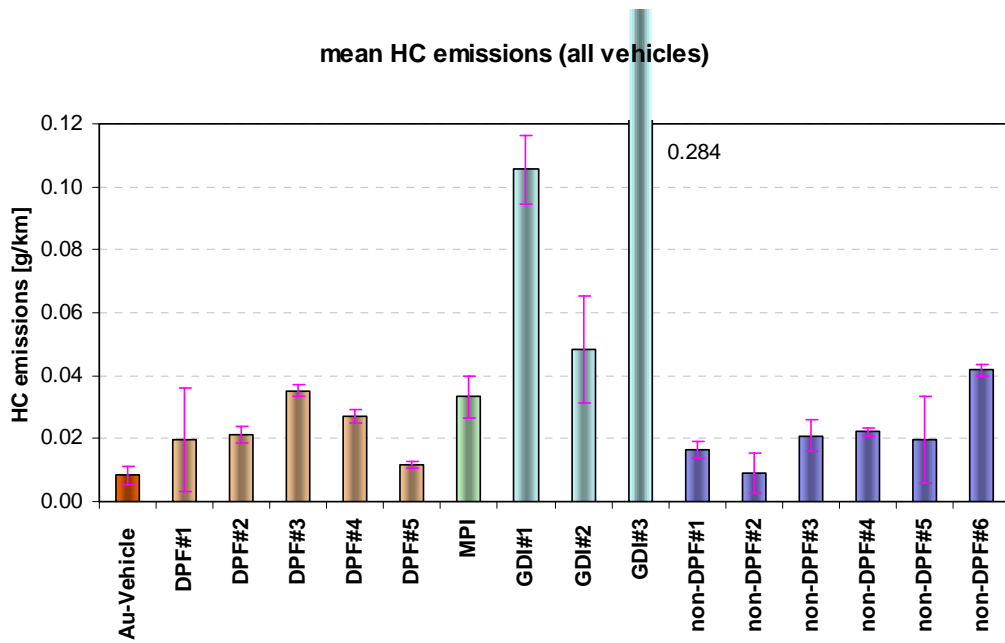
**Figure 7:** CO<sub>2</sub> emissions of all vehicles.



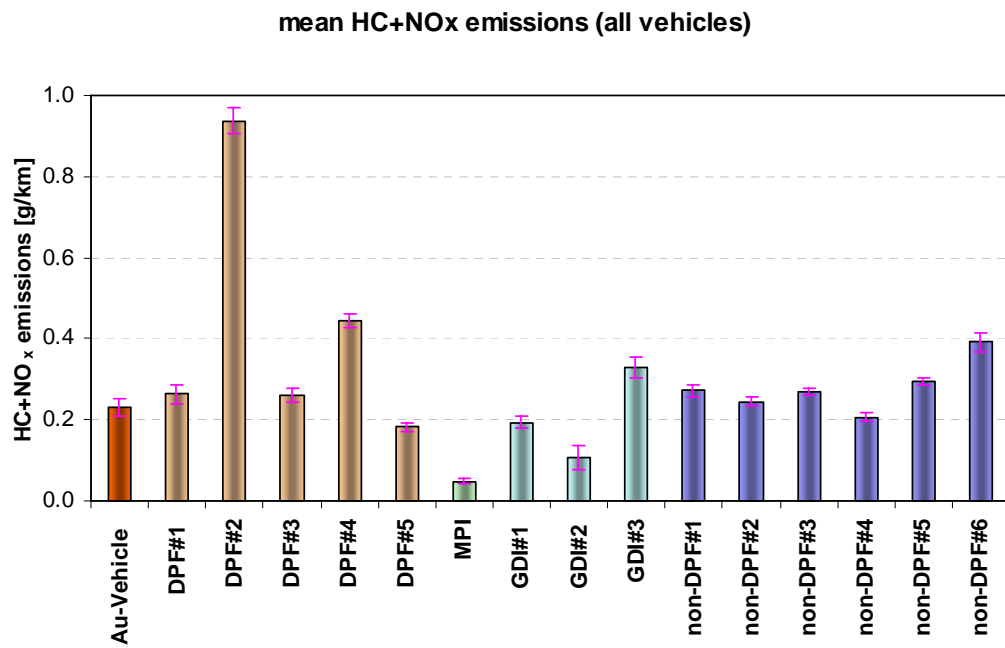
**Figure 8:** CO emissions of all vehicles.



**Figure 9:** NO<sub>x</sub> emissions of all vehicles.



**Figure 10:** HC emissions of all vehicles.



**Figure 11:** HC+NO<sub>x</sub> emissions of all vehicles.