

# Characterizations of size-segregated ultrafine particles in diesel exhaust

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## SUPPLEMENTARY MATERIAL

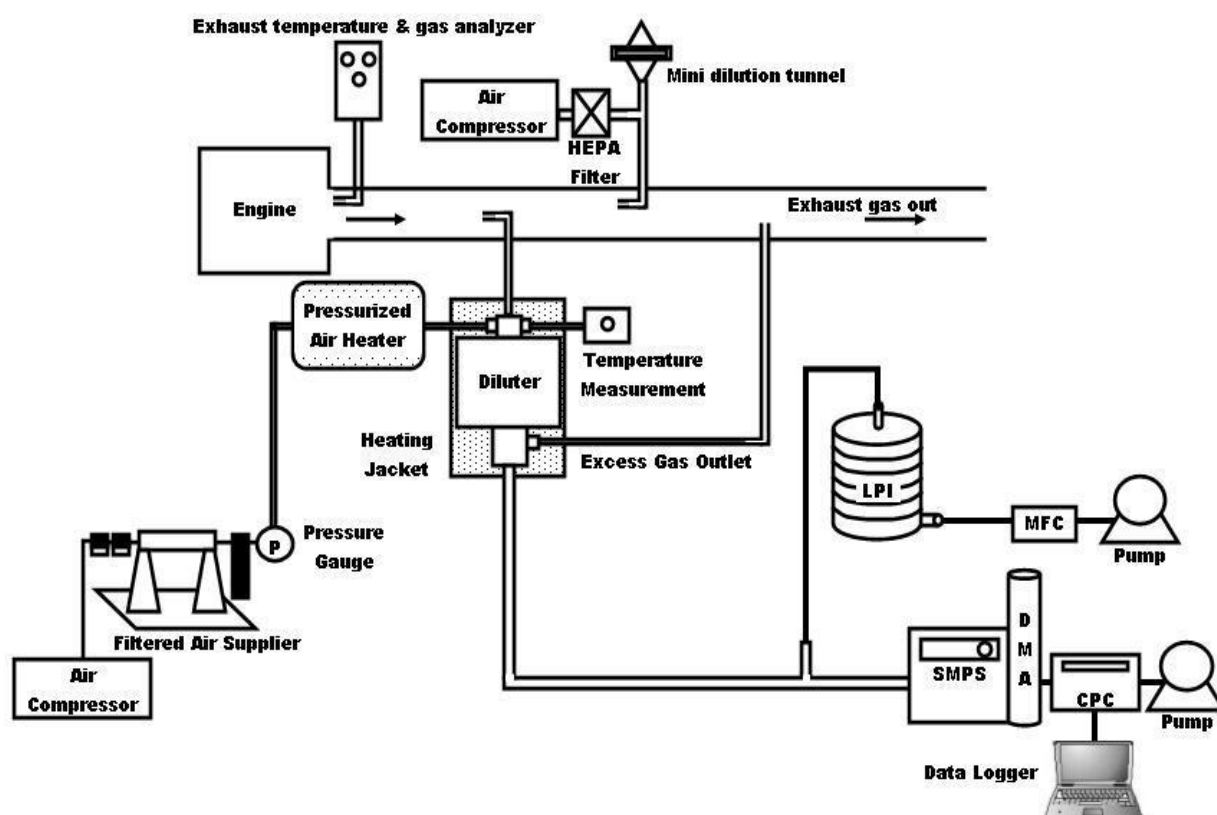


Fig. S1. Schematic system for DEPs monitoring and sampling.

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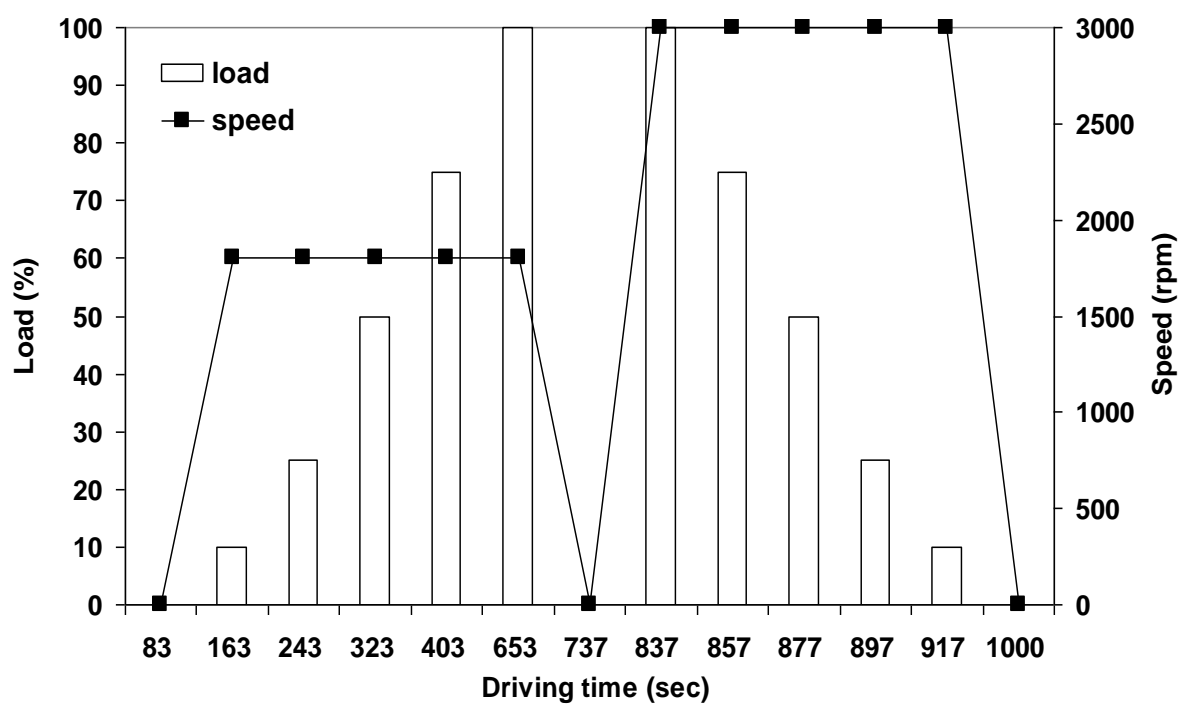


Fig. S2. Driving conditions of 13-mode test.

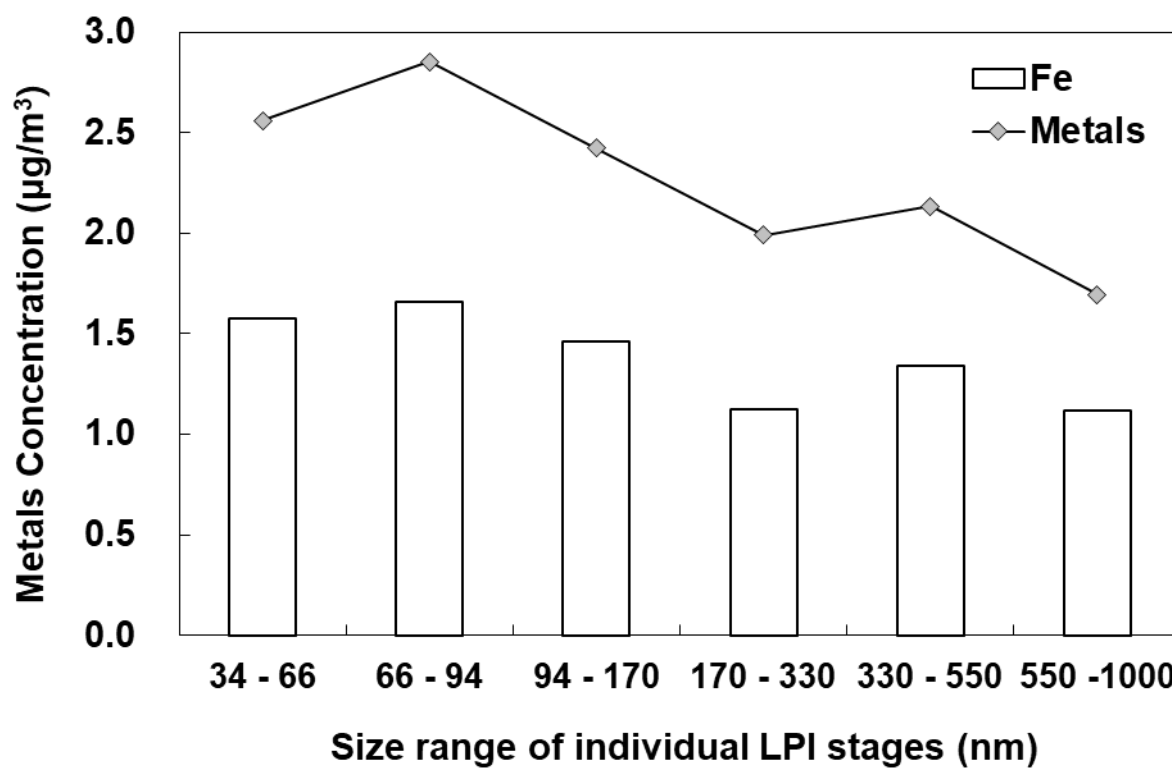


Fig. S3. Size distribution of Fe and metals in DEPs. All data points represent an average of triplicate measurements with a standard deviation of 0.14–2.70 ng/m<sup>3</sup> for Fe and 0.21–0.33 µg/m<sup>3</sup> for metals.

Table S1. Chemical parameters and toxic equivalent factors of identified 10 PAHs

PAHs	Abbreviation	Rings	Mol. Weight	Toxic Equivalent Factors
Acenaphthylene	Acy	2	152	0.001
Acenaphthene	Ace	2	154	0.001
Fluorene	Flu	3	166	0.001
Phenanthrene	Phe	3	178	0.001
Anthracene	Ant	3	178	0.01
Fluoranthene	Flt	4	202	0.001
Pyrene	Pyr	4	202	0.001
Benzo(a)anthracene	BaA	4	228	0.01
Benzo(k)fluoranthene	BkFt	5	252	0.01
Benzo(a)pyrene	BaP	5	252	1.0