

WLTP-AP Task force

Status Report and Open issues

Preparation 7th WLTP - *GENEVA*, 3rd-June-2014 M.C. Astorga



1st phone conference of the AP task force on the 16TH OF MAY

Introduction and brief introduction on the scope of the AP task force

Presentation of results from VP2 on EtOH and carbonyls (formaldehyde and Acetaldehyde)

Road map proposed and next meeting



VALIDATION PHASE 2 FOR SELECTED ADDITIONAL POLLUTANTS: EtOH & RCHO



Formaldehyde (HCHO), acetaldehyde (CH_3CHO) and ethanol (EtOH) emission factors (mg/km) over the <u>WLTC</u>.

	EtOH	нсно	CH ₃ CHO	EtOH	нсно	CH₃CHO	EtOH	нсно	CH₃CHO
Sampling*	CVS	cvs	CVS	CVS	CVS	CVS	Тр	Тр	Тр
Technique	Impinger	DNPH- HPLC	DNPH- HPLC	FTIR	FTIR	FTIR	FTIR	FTIR	FTIR
Analysis	Off-Line	Off-Line	Off-Line	On-Line	On-Line	On-Line	On-Line	On-Line	On-Line
Group		JRC	JRC	HORIBA	HORIBA	HORIBA	JRC	JRC	JRC
FFV1	19 ± 12	0.10 ± 0.01	0.73 ± 0.06	22.6 ± 0.9	0.9 ± 0.6	4 ± 2	30 ± 9	0.99 ± 0.04	5.1 ± 0.4
FFV2	11 ± 2	0.15 ± 0.02	0.91 ± 0.07	23 ± 3	1.2 ± 0.2	5.9 ± 0.5	22 ± 3	1.3 ± 0.3	6.0 ± 0.4
FFV3	17	0.15 ± 0.02	0.9 ± 0.2	22 ± 11	1.2 ± 0.4	6 ± 1	22 ± 9	1.2 ± 0.2	6 ± 1
GV	-	0.05 ± 0.02	0.038 ± 0.003	7.1 ± 0.7	0.3 ± 0.1	-	-	0.26 ± 0.04	-

^{*}Sampling points: CVS dilution tunnel; Tp tailpipe





VALIDATION PHASE 2 FOR SELECTED ADDITIONAL POLLUTANTS: EtOH & RCHO

IT IS POSSIBLE TO MEASURE EtOH, formaldehyde and acetaldehyde At the CVS AND WITH ON LINE METHOD



WLTP Phase 1b European Commission Info to GTR 2014 2015 2016 2 9 1 2 3 10 11 12 1 2 3 4 3 7 8 10 11 12 1 Phase2 ToR 68 6 **Formaldehyde** WP.29 **NH**3 Acetaldehyde **EtOH** 89 6 **GRPE** 70 9 odification gtr format gtr informal document document **WLTP** 8 6 Phase2 Fix organization, responsibilities and time schedule Round Robin **NH**3

Research Centre



Proposal to be discussed in the next face to face meeting of the AP Task force (Sep 2014)

Round Robin Test and/or Validation phase?

Formula for AP (formaldehyde and acetaldehyde)

