

Kansas City PM Characterization Study

Final Report

Appendix R

Round 1 Driveaway

Quality Control

Assessment and Standards Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

Sponsors:

National Renewable Energy Laboratory, U.S. Department of Energy
Federal Highway Administration, U.S. Department of Transportation
STAPPA-ALAPCO Emission Inventory Improvement Program
Coordinating Research Council Inc. (Project No. E-69)

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Agency

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CTR_TST_ID	Disp	Disp Bin	Make	Model	Model Year	Date	Missing data	Flow Flag	Dilution Flag	Exh Temp Flag	Ambient Temp Flag	Suspect Data
D_KS1_036_1	2.5	2.1 to 2.5	JEEP	WRANGLER	1995	7/23/2004						
D_KS1_095_1	3.8	3.5 to 4.0	BUICK	LESABRE	1989	8/2/2004						
D_KS1_096_1	2.2	2.1 to 2.5	SUBARU	OUTBACK LEGA	1996	7/29/2004						
D_KS1_097_1	3.8	3.5 to 4.0	FORD	THUNDERBIRD	1988	8/5/2004						
D_KS1_124_1	2	1.6 to 2.0	FORD	ESCORT	2002	8/10/2004						
D_KS1_134_1	1.6	1.6 to 2.0	NISSAN	SENTRA	1994	8/11/2004						
D_KS1_138_1	2.6	2.6 to 3.0	CHRYSLER	LEBARON	1983	8/12/2004		x		x		x
D_KS1_149_1	2.8	2.6 to 3.0	CADILLAC	CIMMARON	1986	8/13/2004						
D_KS1_200_1	2.3	2.1 to 2.5	FORD	TEMPO	1986	8/24/2004						
D_KS1_203_1	3.8	3.5 to 4.0	OLDSMOBILE	NINETY EIGHT F	1985	8/24/2004			x			x
D_KS1_254_1	3	2.6 to 3.0	MERCURY	SABLE	1997	9/2/2004			x			
D_KS1_282_1	3.8	3.5 to 4.0	OLDSMOBILE	DELTA 88	1991	9/10/2004						
D_KS1_317_1	5	4.1 to 5.0	OLDSMOBILE	CUSTOM CRUIS	1984	9/15/2004						
D_KS1_386_1	5	4.1 to 5.0	CHEVROLET	CAPRICE CLAS	1987	9/14/2004						
D_KS1_1012_1	3	2.6 to 3.0	NISSAN	MAXIMA	1992	8/25/2004		x	x			x

Data Review Comments

Average exhaust flow is > 50% higher than average for all other similar displacement vehicles.
Max exhaust temp erroneous (2500C), avg exhaust temp (490C) is 30% higher than similar displacement vehicles

Suspect dilution: Avg CO + CO2 = 3.9%
Suspect dilution: Avg CO + CO2 = 10.7%

Average exhaust flow is > 50% lower than average for all other similar displacement vehicles,
dilution indicates no sample (avg CO + CO2 = 0.13%)