

ATTACHMENT 5: In-Vehicle Data Collection During Scripted Commute
 Instrumentation for particulate matter measurements.

Detection/Measurement Method	
<i>Exposure assessment: integrated measurements (filter-based)</i>	
Coarse and fine mode mass	Gravimetric
Trace elements	ICP-MS ^a
Organic speciation	TD-GC/MS ^b
EC/OC ^c	TOT ^d
WSOC ^e	TOC ^f
Ionic species	IC ^g
<i>Exposure assessment: Continuous measurements</i>	
PM _{2.5} mass	OPC ^h
Light-absorbing aerosols	Filter transmittance
Number Concentration	CPC ⁱ
Noise	Noise dosimeter
<i>Vehicle-related information</i>	
Engine / vehicle performance (e.g. acceleration, speed)	Portable instrument ^m
<i>Health measurements</i>	
Heart rate and heart rate variability	Holter monitor

^a Inductively Coupled Plasma-Mass Spectrometry

^f Total Organic Carbon Analyzer

Public reporting burden of this collection of information is estimated to average 2 hours per participant, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-xxxx).