

40 C.F.R. § 53.59

Aerosol transport test for Class I equivalent method samplers.

- (a) *Overview.* This test is intended to verify adequate aerosol transport through any modified or air flow splitting components that may be used in a Class I candidate equivalent method sampler such as may be necessary to achieve sequential sampling capability. This test is applicable to all Class I candidate samplers in which the aerosol flow path (the flow path through which sample air passes upstream of sample collection filter) differs significantly from that specified for reference method samplers as specified in 40 CFR part 50, appendix L or appendix O, as applicable. The test requirements and performance specifications for this test are summarized in table E-1 of this subpart.
- (b) *Technical definitions.* (1) Aerosol transport is the percentage of a laboratory challenge aerosol which penetrates to the active sample filter of the candidate equivalent method sampler.
- (2) The active sample filter is the exclusive filter through which sample air is flowing during performance of this test.
- (3) A no-flow filter is a sample filter through which no sample air is intended to flow during performance of this test.

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