

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM
CERTIFICATION MANUAL**

<u>SUBJECT</u>	<u>DATE</u>	<u>PAGE</u>	<u>ITEM NO.</u>
Sample Collection: Requirements for Air and Emissions	6/6/08	1 of 2	244

ANALYTE	CONTAINER	PRESERVATION	MAXIMUM HOLDING TIME
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Ambient Air Tests:

Asbestos Fibers	Millipore aerosol monitor case or equivalent	None	Indefinite
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Volatile Organic Compounds	SUMMA® Canister or equivalent	Ambient temperature near atmospheric pressure	30 days
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Lead in Suspended Particulates:

Filter	Glassine bag	None	Indefinite
Extract	P, G	HNO ₃ to pH<2	6 months
Mercury	G	H ₂ SO ₄ to pH<2	28 days

Nitrates in Suspended Particulates:

Filter	Glassine bag	None	Indefinite
Extract	P, G	Cool, 4°C	48 hours
Nitrogen Dioxide	P, G	Cool, 4°C	6 weeks
Sulfur Dioxide	P, G	Cool, 4°C	30 days
Suspended Particulates, Total	Glassine bag	None	Indefinite
Benzo(a)pyrene in Suspended Particulates, Extract	G	Cool, 4°C in dark	3 months

Organic Materials in Suspended Particulates:

Filter	Glassine bag	None	14 days
Extract	G	Store in dark	6 months
PCB	G	None	30 days
Formaldehyde	G	None	30 days
Pesticides-Aldrin	G	Cool, 4°C	72 hours
Chlordane, dieldrin			
Extract			

Stationary Source Tests:

Beryllium	G, Teflon- lined cap	HNO ₃ to pH<2	30 days
Chromium	G, Teflon- lined cap	HNO ₃ to pH<2	30 days
Fluorides	P	None	30 days
Lead	G, Teflon- lined cap	HNO ₃ to pH<2	30 days

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ANALYTE	CONTAINER	PRESERVATION	MAXIMUM HOLDING TIME
Mercury	G, Teflon- lined cap	HNO ₃ to pH<2	30 days
Nitrogen Oxide	P	NaOH to pH 9-12	30 days
Particulates	G, Teflon-lined cap and Petri dish	None	30 days
Sulfur dioxide	P	None	30 days
Vinyl chloride	Tedlar bags	Out of direct sunlight (in dark)	72 hours
Organics Extract	Aluminized Mylar bag G, Teflon- lined cap	Cool, 4°C	24 hours 40 days
Surface Coatings Tests:			
Density	G, Teflon- lined cap	None	30 days
Percent Water	G, Teflon- lined cap	None	30 days
Volatile Content	G, Teflon- lined cap	None	30 days
Percent Solids (Non-volatiles) in ink	G, Teflon- lined cap	None	30 days
Solid Fuels, Oils, Solvents Tests:			
B.T.U.	P,G, Teflon-lined caps	None	30 days
Metals	G, Teflon-lined cap	None	30 days
Sulfur	G, Teflon-lined cap	None	30 days