



# Technical Note

## Cassette/Filter Solvent Compatibility Chart

To determine filter or cassette material compatibility with a specific solvent, use the chart below. Compatibility characteristics in the chart are based on the short-term exposure associated with air monitoring methods. To determine long-term compatibility characteristics, consult the specific method or contact SKC.

	FILTER TYPE							CASSETTE TYPE				
	PVC	MCE	PTFE	Silver	Fiber Glass	Polycarbonate	Quartz	High Temperature	Polycarbonate	Polystyrene Natural/Opaque/Color	Polypropylene Natural/Opaque/Conductive	Stainless Steel
<b>Key:</b> O=compatible X=Not compatible												
Acetic Acid (5%)	O	O	O	O	O	O	O	O	O	O	O	O
Acetic Acid, Glacial	O	X	O	O	O	X	O	O	X	X	O	O
Acetone	X	X	O	O	O	X	O	O	X	X	O	O
Acetonitrile	O	X	O	O	O	X	O	O	X	X	O	O
Amyl Acetate	X	X	O	O	O	O	O	O	O	O	O	O
Ammonium Hydroxide (6N)	O	X	O	O	X	X	X	O	X	X	O	O
Barium Sulfate	O	X	O	O	O	O	O	O	O	X	O	O
Benzene	X	X	O	O	O	O	O	O	X	O	O	O
Boric Acid	O	O	O	O	O	O	O	O	O	O	O	O
Butyl Alcohol	O	O	O	O	O	O	O	O	O	O	O	O
Chloroform	X	O	O	O	O	X	O	O	X	X	O	O
Cyclohexanone	X	X	O	O	O	X	O	O	X	X	O	O
Chromic Acid	O	X	O	X	O	X	O	O	X	X	O	O
Dimethylacetamide	X	X	O	O	O	X	O	O	X	X	O	O
Dimethylformamide	X	X	O	O	O	X	O	O	X	X	O	O
Dioxane	X	X	O	O	O	X	O	O	X	X	O	O
DMSO	X	X	O	O	O	X	O	X	X	X	O	O
Ethers	O	O	O	O	O	O	O	O	X	X	O	O
Ethyl Alcohol	O	X	O	O	O	O	O	O	O	O	O	O
Ethyl Acetate	X	X	O	O	O	X	O	O	X	X	O	O
Ethylene Glycol	O	X	O	O	O	O	O	O	O	O	O	O
Formaldehyde	O	X	O	O	O	O	O	O	O	O	O	O
Formic Acid	X	X	O	O	O	X	O	O	X	X	O	O
Gasoline	O	O	O	O	O	O	O	O	O	O	O	O
Glycerine/Glycerol	O	O	O	O	O	O	O	O	O	O	O	O
Hexane	X	O	O	O	O	O	O	O	O	O	O	O
Hydrogen Peroxide (3%)	O	X	O	O	O	O	O	O	O	O	O	O
Hydrofluoric Acid	O	X	O	O	X	O	X	O	O	X	O	X
Hydrochloric Acid	O	X	O	O	O	O	O	O	O	X	O	O
Isopropyl Alcohol	O	O	O	O	O	O	O	O	O	O	O	O
Kerosene	O	X	O	O	O	O	O	O	O	O	X	O
MEK	X	X	O	O	O	X	O	O	X	X	O	O
Methyl Alcohol	O	X	O	O	O	O	O	O	O	X	O	O
Methylene Chloride	X	X	O	O	O	X	O	O	X	X	O	O
Nitric Acid 6N	O	X	O	X	X	O	X	O	X	X	O	O

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<b>Key:</b> O=compatible X=Not compatible												
Nitrobenzene	X	X	O	O	O	X	O	O	X	X	X	O
Oil Mist, Mineral	O	O	O	O	O	O	O	O	O	O	O	O
Pentane	O	O	O	O	O	O	O	O	O	O	O	O
Perchloroethylene	X	O	O	O	O	X	O	O	X	X	X	O
PET Based oils	O	O	O	O	O	O	O	O	O	O	X	O
Petroleum Ether	O	O	O	O	O	O	O	O	O	O	X	O
Phenol (10%)	O	X	O	O	O	O	O	O	O	O	O	O
Phosphoric Acid	O	O	O	O	O	O	O	O	O	X	O	O
Silicone oils	O	O	O	O	O	O	O	O	O	O	O	O
Sodium Hydroxide (6N)	X	X	O	X	O	O	O	O	O	O	O	O
Sulfuric Acid (6N)	X	X	O	X	X	O	X	O	O	O	O	O
THF	X	X	O	O	O	X	O	O	X	X	O	X
Toluene	X	O	O	O	O	X	O	O	X	X	O	O
Trichloroethane	O	O	O	O	O	X	O	O	X	X	O	O
Trichloroethylene	X	O	O	O	O	X	O	O	X	X	O	O
Uranium (Soluble)	O	O	O	O	O	O	O	O	O	O	O	O
Xylene	X	X	O	O	O	O	O	O	O	X	X	O

Information compiled by Omega Specialty Instrument Co., a member of the SKC family of operating companies.

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