

American Scientific Laboratories, LLC

EPA sample perservation, Holding Times, Containers and volumes for All Water Samples

Method Number	Parameter	Container*	Sample volume mL	Perservation	Max. Holding Time
Bacterial Tests					
EPA 9131/9132	Coliform;Fecal and Total	Sterile P	250	Cool 4°C, 0.008% Na ₂ S ₂ O ₃	6 hours from time of collection
	Fecal streptococci	Sterile P	250	Cool 4°C, 0.008% Na ₂ S ₂ O ₃	6 hours from time of collection
Inorganic Tests					
EPA 305.1	Acidity	P,G	100	Cool 4°C	14 days
EPA 310.1	Alkalinity	P,G	100	Cool 4°C	14 days
EPA 350.3	Ammonia	P,G	400	Cool 4°C, H ₂ SO ₄ to	28 days
EPA 405.1	BOD (5 Day)	P,G	500	Cool 4°C	48 hours
EPA 300	Bromide	P,G	100	None	28 days
EPA 410.4	COD	P,G	50	Cool 4°C, H ₂ SO ₄ to	28 days
EPA 300/325.3	Chloride	P,G	50	None	28 days
EPA 330.5	Chlorine, total residual	P,G	200	None	Analyze immediately
EPA 110.1	Color	P,G	50	Cool 4°C	48 hours
EPA 335.2	Cyanide (all)	P,G	500	Cool, 4°C , NaOH	14 days
EPA 300/340.2	Fluoride	P	300	None	28 days
EPA 130.2	Hardness	P,G	100	H ₂ SO ₄ to pH<2, HNO ₃ to pH<2	6 months
EPA 351.3/SM 4500-N-D	Nitrogen (Kjeldahl & organic)	P,G	500	Cool 4°C	28 days
EPA 300/352.1	Nitrate	P,G	100	Cool 4°C	48 hours
EPA 354.1	Nitrite	P,G	50	Cool 4°C	48 hours
EPA 1664	Oil & Grease (HEM)	G	500	Cool, 4°C, H ₂ SO ₄ to	28 days
EPA 415.1	Organic Carbon, Total	P,G	25	Cool, 4°C, HCl or H ₂ SO ₄ to pH<2	28 days
EPA 300	Orthophosphate	P,G	50	Filter immediatly, Cool 4°C	48 hours
EPA 360.1	Oxygen, Dissolved (Probe)	G Bottle and Stoper	500	None / No Headspace	Analyze immediately
EPA 150.1	pH	P,G	50	None	24 hours

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EPA 420.1	Phenols (Total)	G	500	Cool, 4°C, H ₂ SO ₄ to pH<2	28 days
	Phosphorous, Element	G	50	Cool 4°C	48 hours
EPA 6010B/365.2	Phosphorous, Total	P,G	50	Cool, 4°C, H ₂ SO ₄ to pH<2	28 days
EPA 160.3	Residue (Total)	P,G	100	Cool 4°C	7 days
EDA 160.1	Residue (Filterable, TDS)	P,G	100	Cool 4°C	7 days
EPA 160.2	Residue (Nonfilterable, TSS)	P,G	100	Cool 4°C	7 days
EPA 160.5	Residue (Settable)	P,G	1000	Cool 4°C	48 hours
EPA 160.4	Residue (Volatile)	P,G	100	Cool 4°C	7 days
EPA 6010B	Silica	P,G	50	Cool 4°C	28 days
EPA 120.1	Specific Conductance	P,G	100	Cool 4°C	28 days
EPA 375.4	Sulfate	P,G	100	Cool 4°C	28 days
EPA 376.2	Sulfide	P,G	500	Cool 4°C, add zinc acetate plus NaOH	7 days
EA 425.1	Surfactants	P,G	500	Cool 4°C	48 hours
EPA 180.1	Turbidity	P,G	100	Cool 4°C	48 hours
	Metals	G	500		
EPA 218.6/7199	Chromium, Hexavalent	P	100	Cool 4°C	24 hours
EPA7470A	Mercury	G	100	HNO ₃ to pH<2	28 days
EPA 6010B	All other metals	P	100	HNO ₃ to pH<2	6 months
	Organics				
8021B	Volatile Halocarbons	G, VOA	3 x 40	Cool 4°C, 0.008% Na ₂ S ₂ O ₃ , HCL to pH<2	14 days
8021B	Volatile Aromatic Hydrocarbons	G, VOA	3 x 40	Cool 4°C, 0.008% Na ₂ S ₂ O ₃ HCl to pH<2	14 days
8260B	VOCs, TPH G Oxy	G, VOA	3 x 40	Cool 4°C, 0.008% Na ₂ S ₂ O ₃	14 days
8270C	Chlorinated Phenols	G	1000	Cool 4°C, 0.008% Na ₂ S ₂ O ₃ , HCl to pH<2	7 days before extraction, 40 days after extraction
8270C	SVOCs	G	1000	Cool 4°C, 0.008% Na ₂ S ₂ O ₃	7 days before extraction, 40 days after extraction
EPA 8015M/DHSLUFT TPH DROORO Range		G	500	Cool 4°C, 0.008% Na ₂ S ₂ O ₃	7 days before extraction, 40 days after extraction
EPA 8015M/DHSLUFT TPH Gas Range		G, VOA	3 x 40	Cool 4°C, 0.008% Na ₂ S ₂ O ₃ , HCL to pH<2	14 Days

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Number	Parameter	Container*	Sample	Perservat	Max.
EPA 8082	PCB's	G	1000	Cool 4°C	before
EPA 8310/8270	Hydrocarbons	G	1000	0.008%	before
8290A	Dioxns and Furans	G	2 x1000	0.008%	before
9020B	Total Organic Halogens	G	1000	H2SO4 to	7 days
EPA 8081A	Pesticides	G	1000	Cool 4°C	extraction, 40 days after
EPA 8141A / EPA 8151A	Organophosphorus Pesticides / Herbicides	G	2 x 1000	Cool 4°C, pH 5-9	7 days before extraction, 40 days after extraction

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