

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, H2SO4 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, H2SO4 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 | HNO3 to pH<2 | 28 days |
| EPA 6010B | All other metals | P | 100 | HNO3 to pH<2 | 6 months |
| | Organics | | | | |
| 8021B | Volatile Halocarbons | G, VOA | 3 x 40 | Cool 4°C, 0.008% Na2S2O3, HCL to pH<2 | 14 days |
| 8021B | Volatile Aromatic Hydrocarbons | G, VOA | 3 x 40 | Cool 4°C, 0.008% Na2S2O3 HCl to pH<2 | 14 days |
| 8260B | VOCs, TPH G Oxy | G, VOA | 3 x 40 | Cool 4°C, 0.008% Na2S2O3 | 14 days |
| 8270C | Chlorinated Phenols | G | 1000 | Cool 4°C, 0.008% Na2S2O3, HCl to pH<2 | 7 days before extraction, 40 days after extraction |
| 8270C | SVOCs | G | 1000 | Cool 4°C, 0.008% Na2S2O3 | 7 days before extraction, 40 days after extraction |
| EPA 8015M/DHSLUFT TPH DROORO Range | | G | 500 | Cool 4°C, 0.008% Na2S2O3 | 7 days before extraction, 40 days after extraction |
| EPA 8015M/DHSLUFT TPH Gas Range | | G, VOA | 3 x 40 | Cool 4°C, 0.008% Na2S2O3, 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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