

# Requirements For Containers, Storage and Holding Times For Analytical Methods



## Waters

Analysis	Method	Container	Number of Containers	Preservation & Storage	Holding Time
<b>ORGANICS</b>					
Volatile Organic Compounds	EPA 8021/8260	40mL glass vial (VOA)	3	HCl pH<2, 4° C	14 days
Semivolatile Organic Compounds	EPA 8270	1 liter amber	2	4° C	7 days
PCBs/Pesticides/Herbicides	EPA 8082/8081/8151	1 liter amber	2	4° C	7 days
EDB	EPA 8011	40mL glass vial (VOA)	2	4° C	14 days
<b>UST PARAMETERS</b>					
Hydrocarbon Identification	NWTPH-HCID	500mL amber	2	HCl pH<2, 4° C	14 days
Gasoline Range Organics/VPH	NWTPH-Gx/VPH	40mL glass vial (VOA)	2	HCl pH<2, 4° C	14 days
Diesel Range Organics	NWTPH-Dx	500mL amber	2	HCl pH<2, 4° C	14 days
Extractable Petroleum Hydrocarbons	EPH	1 liter amber	2	HCl pH<2, 4° C	14 days
<b>INORGANICS</b>					
Metals (total)	EPA 6010/6020	500mL HDPE	1	HNO <sub>3</sub> pH<2, 4° C	6 months
Metals (dissolved)	EPA 6010/6020	500mL HDPE	1	4° C	6 months
Mercury (Hg)	EPA 7470	500mL HDPE	1	HNO <sub>3</sub> pH<2, 4° C	28 days
Hexavalent Chromium	EPA 7196	500mL HDPE	1	4° C	24 hours
<b>GENERAL CHEMISTRY</b>					
Alkalinity	EPA 310.1	250mL HDPE	1	4° C	14 days
Biochemical Oxygen Demand	EPA 405.1	1 liter HDPE	1	4° C	48 hours
Chemical Oxygen Demand	EPA 410.1	250mL HDPE	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Chloride	EPA 325.1	250mL HDPE	1	4° C	28 days
Conductivity	EPA 120.1	250mL HDPE	1	4° C	28 days
Cyanide, total	EPA 335.2/335.3	1 liter HDPE	1	NaOH pH>12, 4° C	14 days
Fluoride	EPA 340.2/300.0	500mL HDPE	1	4° C	28 days
Nitrogen, Ammonia	EPA 350.3	250mL HDPE	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Nitrogen, Nitrite	EPA 353.3	250mL HDPE	1	4° C	48 hours
Nitrogen, Nitrate	EPA 353.3	250mL HDPE	1	4° C	48 hours
Nitrogen, Nitrate + Nitrite	EPA 353.3	250mL HDPE	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Nitrogen, Total Kjeldahl (TKN)	EPA 351.3/351.4	500mL HDPE	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Oil and Grease	EPA 1664	1 liter amber	2	HCl pH<2, 4° C	28 days
pH	EPA 150.1/9040	60mL HDPE	1	4° C	Immediate
Phenols, total	EPA 420.2/9065	1 liter amber	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Phosphate, ortho	EPA 365.3	250mL HDPE	1	4° C	48 hours
Phosphorus, total	EPA 365.3	250mL HDPE	1	H <sub>2</sub> SO <sub>4</sub> pH<2, 4° C	28 days
Solids, Total Dissolved (TDS)	EPA 160.1	250mL HDPE	1	4° C	7 days
Solids, Total Suspended (TSS)	EPA 160.2	250mL HDPE	1	4° C	7 days
Solids, Total	EPA 160.3	1 liter HDPE	1	4° C	7 days
Solids, Total Volatile (TVS)	EPA 160.4	250mL HDPE	1	4° C	7 days
Solids, Settleable	EPA 160.5	1 liter HDPE	1	4° C	48 hours
Sulfate	EPA 375.4	250mL HDPE	1	4° C	28 days
Turbidity	EPA 180.1	250mL HDPE	1	4° C	48 hours

**HDPE** - High-Density Polyethylene

# Requirements For Containers, Storage and Holding Times For Analytical Methods



## Soils

Analysis	Method	Container	Number of Containers	Preservation & Storage	Holding Time
<b>ORGANICS</b>					
Volatile Organic Compounds <sup>1</sup>	EPA 8021/8260	4 oz. cwm	1	4° C	14 days
Semivolatile Organic Compounds	EPA 8270	8 oz. cwm	1	4° C	14 days
PCBs/Pesticides/Herbicides	EPA 8082/8081/8151	8 oz. cwm	1	4° C	14 days
<b>UST PARAMETERS</b>					
Hydrocarbon Identification	NWTPH-HCID	4 oz. cwm	1	4° C	14 days
Gasoline Range Organics/VPH	NWTPH-Gx/VPH	4 oz. cwm	1	4° C	14 days
Diesel Range Organics	NWTPH-Dx	4 oz. cwm	1	4° C	14 days
Extractable Petroleum Hydrocarbons	EPH	4 oz. cwm	1	4° C	14 days
<b>INORGANICS</b>					
Metals	EPA 6010/6020	8 oz. cwm	1	4° C	6 months
Mercury (Hg)	EPA 7470	8 oz. cwm	1	4° C	28 days
Hexavalent Chromium	EPA 7196	8 oz. cwm	1	4° C	28 days
<b>GENERAL CHEMISTRY</b>					
Chloride	EPA 325.1/300.0	4 oz. cwm	1	4° C	28 days
Conductivity	EPA 120.1	4 oz. cwm	1	4° C	28 days
Cyanide, total	EPA 335.3	4 oz. cwm	1	4° C	14 days
Fluoride	EPA 340.2/300.0	4 oz. cwm	1	4° C	28 days
Nitrogen, Ammonia	EPA 350.3	4 oz. cwm	1	4° C	28 days
Nitrogen, Nitrite	EPA 353.3	4 oz. cwm	1	4° C	48 hours
Nitrogen, Nitrate	EPA 353.3	4 oz. cwm	1	4° C	48 hours
Nitrogen, Nitrate + Nitrite	EPA 353.3	4 oz. cwm	1	4° C	28 days
Nitrogen, Total Kjeldahl (TKN)	EPA 351.3/351.4	4 oz. cwm	1	4° C	28 days
pH	EPA 9040/9045	4 oz. cwm	1	4° C	Immediate
Phenols, total	EPA 420.2/9065	4 oz. cwm	1	4° C	28 days
Phosphate, ortho	EPA 365.3	4 oz. cwm	1	4° C	28 days
Phosphorus, total	EPA 365.3	4 oz. cwm	1	4° C	28 days
Solids, Total	EPA 160.3	4 oz. cwm	1	4° C	28 days
Solids, Total Volatile (TVS)	EPA 160.4	4 oz. cwm	1	4° C	7 days
Sulfate	EPA 375.4	4 oz. cwm	1	4° C	28 days

**CWM** - Clear Wide Mouth

<sup>1</sup> Provide a separate container for this analysis when additional analyses are being requested.