

LIQUID CONTAINERS/PRESERVATIVES/HOLDING TIMES

All analysis needs to be kept cool to 4C except metals.

		Maximum HoldingTimes
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METAL ANALYSIS	Container	
Arsenic Speciation* ₁	HDPE EDTA - 100ml	3 Days
Dissolved ICP or ICP/MS Metals	HDPE unpreserved(lab to filter) - 100ml	6 Months
Dissolved ICP or ICP/MS Metals	HDPE HNO ₃ (field filtered)- 50 ml	6 Months
Total ICP or ICP/MS Metals	HDPE HNO ₃ - 50ml	6 Months
Total Low Level Mercury	125ml Amber unpreserved - 125ml	28 Days
Dissolved Low Level Mercury (field filtered)	125ml Amber unpreserved - 125ml	28 Days
Dissolved Low Level Mercury (lab to filter) **24 hours to filter	125ml Amber unpreserved - 125ml	28 Days**
Dissolved Mercury(field filtered)	HDPE HNO ₃ (field filtered)- 50ml	28 Days
Dissolved Mercury(lab to filter)	HDPE unpreserved(lab to filter) - 100ml	28 Days
Total Mercury	HDPE HNO ₃ - 50ml	28 Days
Hexavalent Chromium	HDPE unpreserved - 60ml	24 Hours
Ferrous Iron	HDPE unpreserved - 50ml	Immediate

ORGANIC ANALYSIS

Alcohols	VOA unpreserved - 1 VOA	7 Days
Amine	VOA NaOH - 1 VOA	14 Days
BNA	Amber unpreserved - 500ml	7 Days
DRO	Amber unpreserved - 500ml	7 Days
Formaldehyde	Amber unpreserved - 500ml	3 Days

Glycols	VOA unpreserved - 1 VOA	7 Days
GRO	VOA HCl - 2 VOA	7 Days
Herbicides	Amber unpreserved - 500ml	7 Days
PCB/Pesticide	Amber unpreserved - 500ml	7 Days
Phenols	Amber unpreserved - 500ml	7 Days
Phthalates	Amber unpreserved - 500ml	7 Days
PNA	Amber unpreserved - 500ml	7 Days
TPH	VOA HCl - 2 VOA	14 Days
Volatiles*2	VOA HCl - 2 VOA	14 Days
Volatiles (unpreserved)	VOA unpreserved - 2 VOA	7 Days

MICROBIOLOGICAL

Coliform Total+E.Coli (Drinking Water)	Pre-sterilized HDPE w/Sodium Thiosulfate	30 Hours
Coliform, Fecal	Pre-sterilized HDPE w/Sodium Thiosulfate	8 Hours
Coliform, Total+E.Coli (Non Drinking Water)	Pre-sterilized HDPE w/Sodium Thiosulfate	8 Hours
Heterotropic Plate Count	Pre-sterilized HDPE w/Sodium Thiosulfate	8 Hours

INORGANIC ANALYSIS

Alkalinity	HDPE unpreserved - 50ml	14 Days
Ammonia	HDPE H2SO4 - 10ml	28 Days
BOD	HDPE unpreserved - 500ml	48 Hours
CBOD	HDPE unpreserved - 500ml	48 Hours

COD	HDPE H2SO4 - 20ml	28 Days
Chloride	HDPE unpreserved - 20ml	28 Days
Chlorine (Residual)	HDPE unpreserved - 20ml	15 Minutes
Cyanide (Amenable)	HDPE NaOH - 150ml	14 Days
Cyanide (Available)* ₃	HDPE NaOH - 100ml	14 Days
Cyanide (Reactive)	Glass unpreserved - 50ml	ASAP
Cyanide (Total)	HDPE NaOH - 100ml	14 Days
Dissolved Oxygen	HDPE unpreserved - 500ml	15 Minutes
EOX	Glass unpreserved - 50ml	28 Days
Flashpoint	Glass unpreserved - 100ml	ASAP
Fluoride	HDPE unpreserved - 20ml	28 Days
MBAS	Glass unpreserved - 300ml	48 Hours
Methane	VOA HCl - 2 VOA	14 Days
Nitrate	HDPE unpreserved - 20ml	48 Hours
Nitrite	HDPE unpreserved - 20ml	48 Hours
Oil & Grease	Glass H2SO4 - 1L	28 Days
pH (wastewater/drinking water)	HDPE unpreserved - 30ml	15 Minutes
pH (SW846)	HDPE unpreserved - 30ml	ASAP
Phenol (4AAP)	Glass H2SO4 - 400ml	28 Days
Phosphate (Ortho)	HDPE unpreserved - 10ml	48 Hours
Phosphate (Total)	HDPE H2SO4 - 25ml	28 Days

Phosphorus (Total)	HDPE H2SO4 - 25ml	28 Days
Resistivity	HDPE unpreserved - 30ml	28 Days
Specific Conductivity	HDPE unpreserved - 30ml	28 Days
Sulfates	HDPE unpreserved - 20ml	28 Days
Sulfide (Hydrogen Sulfide)* ₄	HDPE NaOH+ZnAc - 60ml	7 Days
Sulfide (Reactive)	Glass unpreserved - 50ml	ASAP
Sulfide (Total)	HDPE NaOH+ZnAc - 50ml	7 Days
Sulfite	HDPE unpreserved - 100ml	15 Minutes
TDS	HDPE unpreserved - 150ml	7 Days
TSS	HDPE unpreserved - 150ml	7 Days
TKN	HDPE H2SO4 - 50ml	28 Days
TOC	VOA HCl - 1 VOA	28 Days
TOX	Glass unpreserved - 100ml	28 Days
Turbidity	HDPE unpreserved - 50ml	48 Hours
TX	Glass unpreserved - 5ml	28 Days

Footnotes:

*1. Arsenic speciation needs 2 containers HNO₃ and EDTA run only once a month, call lab for details.

*2. All volatile analysis require zero headspace.

*3. Available Cyanide needs to be field filtered. Call lab for kit.

*4. Hydrogen Sulfide - requires 2 separate containers (unpreserved HDPE & HDPE NaOH+ZnAc)

MS/MSD for any analysis requires more sample.

Abbreviations:

DW=Drinking Water

EDTA=Ethylenediamine Tetraacetic Acid

G=Glass

HDPE=High Density Polyethylene

HNO₃=Nitric Acid

NaOH=Sodium Hydroxide

H₂SO₄=Sulfuric Acid
HCl=Hydrochloric Acid

ZnAc=Zinc Acetate