

SAMPLING PROCEDURES AND REQUIREMENTS

Halifax

WATER

	Parameter	Container Type	Holding Time	Min Amt	Preservative	
ORGANIC	BTEX/PIRI C6 - C10/CCME F1/VOCs	AV, NH	14 days	3 x 40 mL	NaHSO ₄	
	CCME F2-F4	AG, TL	14 days	2 x 250 mL	None	
	PAH/OCP	AG, TL	14 days	2 x 1L	None	
	PCB	AG, TL	14 days	2 x 250 mL	None	
	PIRI >C10 - C32	AG, TL	14 days	2 x 250 mL	NaHSO ₄	
	SVOC	AG, TL	14 days	1L	None	
	TOG/MOG	CG	28 days	2 x 1L	HCl	
	Water - Chlorinated Source					
	HAA	AV, NH	14 days	3 x 40 mL	NH ₄ Cl	
	THM	AV, NH	14 days	3 x 40 mL	Na ₂ S ₂ O ₃	
	Parameter	Container Type	Holding Time	Min Amt	Preservative	
INORGANIC	Ammonia	PB	28 days	50 mL	H ₂ SO ₄	
	Anions	PB	28 days	50 mL	None	
	Cations	PB	28 days	50 mL	None	
	Chemical Oxygen Demand (COD)	PB, NH	7 days	50 mL	H ₂ SO ₄	
	Chlorine	PB	24 hours	500 mL	None	
	Colour	PB	7 days	50 mL	None	
	Conductivity	PB	14 days	50 mL	None	
	Cyanide	PB	7 days	50 mL	NaOH	
	Ferrous Iron	AV	24 hours	2 x 40 mL	None	
	Hexavalent Chromium	PB	5 days	50 mL	None	
	Mercury	AG	28 days	50 mL	¹ HNO ₃ & K ₂ Cr ₂ O ₇	
	Metals (Dissolved)	PB	28 days	50 mL	¹ HNO ₃ after filtering	
	Metals (Total)	PB	28 days	50 mL	¹ HNO ₃	
	Nitrate & Nitrite	PB	48 hours	50 mL	None	
	pH/Alkalinity	PB	14 days	120 mL	None	
	Phenols	AG	28 days	50 mL	H ₂ SO ₄	
	Phosphorus (Total)	PB	28 days	100 mL	H ₂ SO ₄	
	Standard Water Analysis **	PB	7 days	500 mL + 2 x 120 mL	None	
	Standard Water Analysis + Metal Scan **	PB	7 days	500 mL + 2 x 120 mL	None	
	Sulfide	PB	7 days	50 mL	NaOH & ZnAc	
	Total Dissolved Solids (TDS)	PB	7 days	250 mL	None	
	Total Inorganic Carbon (TIC)	PB, NH	28 days	50 mL	None	
	Total Kjeldahl Nitrogen (TKN)	PB	28 days	100 mL	H ₂ SO ₄	
	Total Organic Carbon (TOC)	AG, NH	28 days	50 mL	¹ H ₂ SO ₄	
	Total Suspended Solids (TSS)	PB	7 days	250 mL	None	
Turbidity	PB	48 hours	100 mL	None		



SOIL

	Parameter	Container Type	Holding Time	Min Amt	Preservative
ORGANIC	BTEX/PIRI C6 - C10/CCME F1	AG, NH	7 days	180 g	None
	F4G	CG	14 days	180 g	None
	OCP/PAH/PCB/SVOC	AG	14 days	180 g	None
	PIRI >C10 - C32/CCME F2-F4	AG	14 days	180 g	None
	VOCs	AG, NH	14 days	180 g	None
	BTEX/PIRI C6 - C10/CCME F1	AG, NH	7 days	180 g	None
	F4G	CG	14 days	180 g	None
	OCP/PAH/PCB/SVOC	AG	14 days	180 g	None
	PIRI >C10 - C32/CCME F2-F4	AG	14 days	180 g	None
	VOCs	AG, NH	14 days	180 g	None
	Parameter	Container Type	Holding Time	Min Amt	Preservative
INORGANIC	Ammonia	CG	28 days	50 g	None
	Anions	CG	28 days	100 g	None
	Cations	CG	6 months	100 g	None
	Chloride	CG	28 days	100 g	None
	Conductivity	CG	28 days	100 g	None
	Cyanide	CG	14 days	100 g	None
	Fluoride	CG	28 days	100 g	None
	Hexavalent Chromium	CG	28 days	50 g	None
	Mercury	CG	28 days	25 g	None
	Metals	CG	3 months	50 g	None
	Nitrate & Nitrite	CG	7 days	100 g	None
	pH	CG	3 months	100 g	None
	Phenols	CG	28 days	100 g	None
	Total Organic Carbon (TOC)	CG	14 days	100 g	None

BIOLOGICAL

	Parameter	Container Type	Holding Time	Min Amt	Preservative
WATER	Biological Oxygen Demand (BOD)	PB	48 hours	500 mL	None
	Dissolved Oxygen	PB, NH	Immediate	50 mL	None
	Total Coliforms & E.coli (MPN)	PB	24 hours	250 mL	Na ₂ S ₂ O ₃
	Total Coliforms & E.coli (P/A)	PB	24 hours	100 mL	Na ₂ S ₂ O ₃
	Fecal Coliforms (MF)	PB	24 hours	250 mL	Na ₂ S ₂ O ₃
SOIL	Fecal Coliforms & Total Coliforms	CG	24 hours	100 g	None
	Salmonella	Plastic Bag	48 hours	50 g	None

Please Note: Biological samples will not be accepted after 2 pm on Fridays

1. Filter and then preserve for dissolved or just preserve for total

Container Type - Legend

AG - Amber Glass

NH - No Headspace

TL - Teflon Lined

PB - Plastic Bottle

CG - Clear Glass