



Sample Procedures & Requirements

ORGANIC - WATER

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
BTEX/PIRI C6 - C10/CCME F1/VOCs	CV/AV, NH	14 days	3 x 40 mL	NaHSO ₄
CCME F2-F4	CG/AG, TL	14 days	2 x 100 mL	None
Dissolved Gases	CV/AV, NH	14 days	3 X 40 mL	HCl
OCP/OPP/Herbicides/Triazine Pesticides	AG, TL	14 days	2 x 1L	None
PAH	CG/AG, TL	14 days	2 x 100 mL	NaHSO ₄
PIRI >C10 - C32	CG/AG, TL	14 days	2 x 250 mL	HCl
PCB	CG/AG, TL	None	2 X 250 mL	None
TOG/MOG/F4G	CG	28 days	2 x 1L	HCl

WATER - CHLORINATED SOURCE

HAA	CV/AV, NH	14 days	3 x 40 mL	NH ₄ Cl
THM	CV/AV, NH	14 days	3 x 40 mL	Na ₂ S ₂ O ₃

INORGANIC - WATER

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
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	28 days	50 mL	H ₂ SO ₄
Chlorine, Residual (Total or Free)	AV	7 days	2 x 40 mL	NaOH
Colour	PB	7 days	50 mL	None
Cyanide	PB	7 days	50 mL	NaOH
Dissolved Organic Carbon (DOC)	PB	28 days	50 mL	H ₂ SO ₄ after filtering
Ferrous Iron	CV/AV, NH	7 days	2 x 40 mL	HCl after filtering
Hexavalent Chromium	PB	28 days	50 mL	Buffer solution
Mercury (Dissolved)	AV	28 days	40 mL	HCl after filtering
Mercury (Total)	AV	28 days	40 mL	HCl
Metals (Dissolved)	PB	28 days	120 mL	HNO ₃ after filtering
Metals (Total)	PB	28 days	120 mL	HNO ₃
Nitrate & Nitrite	PB	5 days	50 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	250 mL, 120 mL, 120 mL	None, H ₂ SO ₄ , HNO ₃
Sulfide	AG, PB	28 days	120 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)	PB	28 days	50 mL	H ₂ SO ₄
Total Suspended Solids (TSS)	PB	7 days	500 mL	None
Turbidity	PB	5 days	100 mL	None

ORGANIC - SOIL

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
BTEX/PIRI C6 - C10/CCME F1/VOCs	CV	28 days	2 x 5 g	MeOH
PIRI >C10 - C32/CCME F2-F4	CG/AG	14 days	180 g	None
PAH/OCF	AG	14 days	180 g	None
PCB	CG/AG	None	180 g	None

INORGANIC - SOIL

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
Ammonia	CG	28 days	50 g	None
Anions	CG	28 days	100 g	None
Cations	CG	6 months	100 g	None
Conductivity	CG	28 days	100 g	None
Cyanide	CG	14 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	150 g	None
Phenols	CG	28 days	100 g	None
Total Organic Carbon (TOC)	CG	14 days	100 g	None

BIOLOGICAL - WATER

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
Biological Oxygen Demand (BOD)	PB	48 hours	500 mL	None
Dissolved Oxygen	PB, NH	Immediate	50 mL	None
Fecal Coliforms MF or MPN	PB	24 hours	100 mL	Na ₂ S ₂ O ₃
<i>Pseudomonas aeruginosa</i> presumptive	PB	24 hours	2 x 100 mL	Na ₂ S ₂ O ₃
Heterotrophic Plate Count (HPC)	PB	24 hours	100 mL	Na ₂ S ₂ O ₃
Total Coliforms & E.coli MPN or MF	PB	24 hours	100 mL	Na ₂ S ₂ O ₃
Total Coliforms & E.coli (P/A)	PB	24 hours	100 mL	Na ₂ S ₂ O ₃

BIOLOGICAL - SOIL

PARAMETER	CONT. TYPE	HOLDING TIME	MIN. AMOUNT	PRES.
Fecal Coliforms	Plastic Bag	48 hours	50 g	None
Salmonella	Plastic Bag	48 hours	50 g	None
E. Coli	Plastic Bag	48 hours	100 g	None
Total Coliforms	Plastic Bag	48 hours	100 g	None

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

Directions: Locate the desired test. Identify the sample type, container, preservative and holding times. Keep Samples cool and ship to the lab as soon as possible. Pre-cleaned containers can be supplied by the lab. Please contact your laboratory for more detailed sampling instructions or to notify of incoming RUSH samples.

Container Codes

AG/AV - Amber Glass /Vial NH - No Headspace P.Bag - Plastic Bag PB - Plastic Bottle CG - Clear Glass CG/CV - Clear Glass/Vial MeOH - Methanol OP - Opaque

** Excluding Turbidity, Nitrate + Nitrite, which have 5 day holding times