

Sample Procedures & Requirements

ORGANIC - WATER

PARAMETER	CONTAINER ³	HOLDING TIME	MINIMUM AMOUNT	PRESERVATIVE
BTEX/F1	AG, NH	14 days	2 x 40 mL	NaHSO ₄
F2-F4	AG	14 days	2 x 100 mL	NaHSO ₄
BTEX/VPH/VH	AG, NH	14 days	2 x 40 mL	NaHSO ₄
EPH/LEPH/HEPH/PAH	AG	14 days	2 x 100 mL	NaHSO ₄
Alcohol	AG, NH	14 days	2 x 40 mL	NA
Amine Scan	AG	7 days	2 x 40 mL	NA
Chlorophenolics	AG	14 days	250 mL	NaHSO ₄
EOX	AG, NH	14 days	250 mL	HNO ₃
Glycol	AG	14 days	2 x 40 mL	NaHSO ₄
Glyphosate	PB	14 days	125 mL	Na ₂ S ₂ O ₃
Oil & Grease by IR	AG	28 days	2 x 250 mL	H ₂ SO ₄
PAH	AG	14 days	2 x 100 mL	NaHSO ₄
PCB	AG	Unlimited	2 x 250 mL	NA
Sterilant	AG	14 days	250 mL	NaHSO ₄
Sulfolane	AG	7 days	2 x 40 mL	NaHSO ₄
VOC	AG, NH	14 days	2 x 40 mL	NaHSO ₄

INORGANIC - WATER

PARAMETER	CONTAINER	HOLDING TIME	MINIMUM AMOUNT	PRESERVATIVE
Detailed Salinity / Routine Chemistry	PB	See Individual	250 mL	NA
Metals - Dissolved	PB	6 months	60 mL	¹ HNO ₃
Metals - Total	PB	6 months	120 mL	¹ HNO ₃
Ammonia	PB	28 days	120 mL	H ₂ SO ₄
Anions - Bromate, Chlorate, Chlorite	PB	28 days	60 mL	EDA
Alkalinity	PB	14 days	60 mL	NA
Biochemical Oxygen Demand	PB	48 hours (AB) 72 hours (BC)	1000 mL	NA
Carbon , Total or Dissolved Organic	PB	28 days	120 mL	¹ H ₂ SO ₄
Carbon , Total or Dissolved Inorganic	PB	28 days	60 mL	NA
Chemical Oxygen Demand	PB	28 days	120 mL	H ₂ SO ₄
Chlorine, Total Residual	AG, NH	ASAP - 15 minutes	500 mL	NA
Chromium, Hexavalent	PB	28 days	60 mL	⁴ Buffer
Conductivity	PB	28 days	60 mL	NA
Cyanide, Free	PB, OP	14 days	60 mL	NaOH
Cyanide, Total	PB, OP	14 days	60 mL	NaOH
Mercury	AG	28 days	2 x 40 mL	¹ HCl
Mercury - Low Level	AG	28 days	100 mL	¹ HCl
Microbiology	Sanitized PB	30 hours	2 x 120 mL	Na ₂ S ₂ O ₃
Microtox	CG, NH	72 hours	500 mL	NA
Nitrate, Nitrite	PB	72 hours	60 mL	NA
Nitrogen, Total Kjeldahl	PB	28 days	120 mL	H ₂ SO ₄
Oxygen, Dissolved	Winkler Bottle	ASAP - 15 minutes	300 mL	² See notes
pH	PB	ASAP - 15 minutes	120 mL	NA
Phenol, Total (4aap)	AG	28 days	100 mL	H ₂ SO ₄
Phosphate, Ortho	PB	72 hours	60 mL	Filter 0.45 µm
Phosphorous, Total	PB	28 days	120 mL	HNO ₃
Phosphorous, Total - Low Level	PB	28 days	120 mL	H ₂ SO ₄
Silica, Reactive	PB	28 days	60 mL	Filter 0.45 µm
Solids (TSS, TDS, TS)	PB	7 days	500 mL	NA
Sulphide	PB, NH	14 days (AB) 7 days (BC)	60 mL	NaOH+ZnAc
Turbidity	PB	72 hours	120 mL	NA

ORGANIC - SOIL

PARAMETER	CONTAINER ³	HOLDING TIME	MINIMUM AMOUNT
BTEX/F1	MeOH / CG, NH	40 days	2 X 5 g in 40 mL + 25 g
F2-F4	CG	14 days	25 g
BTEXS/VPH/VH	MeOH / CG, NH	40 days	2 X 5 g in 40 mL + 25 g
EPH/LEPH/HEPH/PAH	CG	14 days	25 g
Alcohol	CG, NH	14 days	25 g
Amine	CG	14 days	100 g
Chlorophenolics	CG	14 days	25 g
EOX	CG, NH	14 days	25 g
Glycol	CG	14 days	25 g
Glyphosate	CG	14 days	25 g
Oil & Grease by IR	CG	28 days	25 g
PAH	CG	14 days	25 g
PCB	CG	Unlimited	25 g
Semi-Volatiles	CG	14 days	25 g
Sterilant	CG or P.BAG	14 days	50 g
Sulfolane	CG	14 days	50 g
Sulphur, Elemental	CG or P.BAG	30 days	50 g
TCLP BTEX/Flashpoint	CG, NH	14 days	125 g
VOC	MeOH / CG, NH	40 days	2 X 5 g in 40 mL + 25 g

INORGANIC - SOIL

PARAMETER	CONTAINER	HOLDING TIME	MINIMUM AMOUNT
Detailed Salinity	P. BAG	30 days	500 g
Metals	P. BAG	6 months	50 g
Boron, Hot Water Soluble	P. BAG	6 months	50 g
Carbon, Total Organic	P. BAG	28 days	100 g
Chloride	P. BAG	30 days	200 g
Chromium, Hexavalent	CG or P. BAG	30 days	50 g
Conductivity	P. BAG	30 days	200 g
Mercury	P. BAG	28 days	50 g
Microtox	CG, NH	72 hours	200 g
Moisture	CG, NH	14 days	50 g
Nitrogen, Total	P. BAG	28 days	200 g
Particle Size by Sieve or Texture	P. BAG	30 days	200 g
pH	P. BAG	30 days (AB) 365 days (BC)	200 g
Sulphur, Elemental	CG or P.BAG	30 days	50 g

NOTES:

- 1 - Filter (0.45 µm) and THEN preserve for *dissolved* or fill preserved bottle for total
- 2 - Add MnSO₄ and alkaline iodine azide

- 3 - Teflon Lined (TL) required and No Headspace (NH) recommended for all organic containers
- 4 - 1N NaOH/Ammonium Buffer

Please contact your laboratory for more detailed sampling instructions or to notify of incoming RUSH samples.

Container Codes

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

RUSH CHARGES AND TIMES		EXAMPLE CALCULATIONS	
TURN-AROUND TIME	SURCHARGE	RECEIVABLE INFORMATION	RESULTS DELIVERABLE DUE BY
< 24 Hours	200%	Monday before 9:00 AM	Tuesday by 9:00 AM
Next Business Day	100%	Monday before 3:00 PM	Tuesday by 8:00 PM
Two Business Day	50%	Monday before 3:00 PM	Wednesday by 8:00 PM
Three Business Day	25%	Monday before 3:00 PM	Thursday by 8:00 PM
5 - 7 Business Days (Regular)	0%	Monday before 3:00 PM	Wednesday of the following week by 8:00 PM

8/11/2021