

SAMPLING PROCEDURES AND REQUIREMENTS

British Columbia

WATER

ORGANICS				
Parameter	Container Type	Holding Time	Min Amt	Preservative
BTEX/VOCs/VH	AG, NH	14 days	3 x 40 mL	NaHSO ₄
F2-F4/TEH/C60	AG	14 days	2 x 250 mL	None
PAH	AG	7 days	1 L	None
LEPH/HEPH/EPH	AG	7 days	1 L	None
PCB	AG	Unlimited	1 L	None
Oil and Grease	AG	28 days	1 L	H ₂ SO ₄
Sterilant/Alcohols/Pests	AG	14 days	1 L	None
Sulfolane/Amines	AG	7 days	1 L	None
Napthenic Acids/Glycols	CG	14 days	1 L	None
Phenols (Chlorinated/Non-Chlorinated)	AG	7 days	1 L	None
EOX/TOX	CG	14 days	1 L	None
Dioxins and Furans	AG	NA	2 x 1 L	None

INORGANICS				
Parameter	Container Type	Holding Time	Min Amt	Preservative
Ammonia	PB	28 days	50 mL	H ₂ SO ₄
Anions/Cations	PB	28 days	50 mL	None
Dissolved Oxygen	DO Bottle	8 hours	200 mL	² see below
Chloride	PB	28 days	50 mL	None
Hexavalent Chromium	PB	30 days	50 mL	NaOH
Conductivity	PB	28 days	50 mL	None
Cyanide	PB	14 days	50 mL	NaOH
Mercury	PB	28 days	50 mL	HNO ₃
Metals (Dissolved)	PB	180 days	50 mL	¹ HNO ₃
Metals (Total)	PB	180 days	50 mL	¹ HNO ₃
Nitrogen (Total)	PB	28 days	50 mL	HCl
Alkalinity	PB	14 days	100 mL	None
pH	PB	ASAP	50 mL	None
Phosphorus (Total)	PB	28 days	50 mL	H ₂ SO ₄
Total Kjeldahl Nitrogen	PB	28 days	50 mL	H ₂ SO ₄
Total Inorganic Carbon	PB	14 days	50 mL	None
Total Organic Carbon	PB	28 days	50 mL	HCl
Bacterial Analysis	PB Sterile	30 hrs	300 mL	Na ₂ S ₂ O ₃
Microtox	CG, NH	3 days	250 mL	None
Sulfide	PB	7 days	50 mL	NaOH & ZnAc
BOD	PB	3 days	1000 mL	None
COD	PB	28 days	250 mL	H ₂ SO ₄
Reactive Silica	PB	28 days	100 mL	None
Nitrate + Nitrite	PB	3 days	50 mL	None



SOIL

ORGANICS			
Parameter	Container Type	Holding Time	Min Amt
BTEX/VOCs/VH	CG, NH	7 days	50 g
F2-F4/TEH/C60	CG	14 days	50 g
PAH	CG	14 days	50 g
LEPH/HEPH/EPH	CG	14 days	50 g
PCB	CG	Unlimited	50 g
Oil and Grease	CG	28 days	50 g
Sterilant/Alcohols/Pests	CG	14 days	50 g
Sulfolane/Amines	CG	7 days	50 g
Napthenic Acids/Glycols	CG	14 days	50 g
EOX/TOX	CG	14 days	50 g
Dioxins and Furans	CG	NA	50 g
Phenols (Chlorinated/Non-Chlorinated)	CG	14 days	50 g

INORGANICS			
Parameter	Container Type	Holding Time	Min Amt
Ammonia	P. Bag	28 days	100 g
Anions	P. Bag	28 days	200 g
Cations	P. Bag	28 days	200 g
Chloride	P. Bag	28 days	200 g
Hexavalent Chromium	P. Bag	30 days	50 g
Conductivity	P. Bag	28 days	200 g
Cyanide	P. Bag	14 days	50 g
Mercury	P. Bag	28 days	50 g
Metals	P. Bag	180 days	50 g
Nitrogen (Total)	P. Bag	28 days	50 g
Nitrate & Nitrite	P. Bag	7 days	200 g
pH	P. Bag	1 year	200 g
Phosphorous (Total)	P. Bag	28 days	100 g
Total Kjeldahl Nitrogen	P. Bag	28 days	100 g
Total Inorganic Carbon	P. Bag	28 days	100 g
Total Organic Carbon	P. Bag	28 days	100 g
Bacterial Analysis	CG	7 days	100 g
Microtox	CG, NH	3 days	200 g

AG - Amber Glass
PB - Plastic Bottle

NH - No Headspace
CG - Clear Glass

P. Bag - Plastic Bag

- 1 - Filter and THEN preserve for dissolved or just preserve for total
- 2 - Add MnSO₄ and alkaline iodide azide

Please call your dedicated Client Project Manager at **778.452.4000**
for more detailed sampling instructions or to notify of incoming RUSH samples.