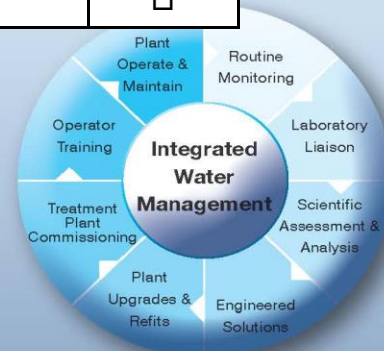


## Preparing for a Sampling Trip:

There is nothing worse than travelling all the way to site to undertake sampling, and when you get there you realise that you have forgotten to pack something! With this in mind, we thought it might be a good idea to put together a checklist of things that you may require when going sampling:

What to Pack When Sampling	Item packed
The correct bottles – glass/plastic, preserved/non-preserved). Save time – label ahead!	<input type="checkbox"/>
Correct sampling equipment (sampling poles, etc.)	<input type="checkbox"/>
Eskies and chiller bricks (Tip: Frozen Peas are great for air freighting!)	<input type="checkbox"/>
COC / field sampling form	<input type="checkbox"/>
Locality map of sample points	<input type="checkbox"/>
Spare bottles	<input type="checkbox"/>
Preservatives	<input type="checkbox"/>
Disposable gloves	<input type="checkbox"/>
Holding times for each parameter tested	<input type="checkbox"/>
Interferences (incorporated into sample methodology)	<input type="checkbox"/>
Wet weather gear, travel plan (including weather and traffic reports)	<input type="checkbox"/>
Water bottle (for you to drink and to rinse equipment)	<input type="checkbox"/>
Calibration equipment/manuals	<input type="checkbox"/>
Paper towel	<input type="checkbox"/>
Contact numbers/personnel	<input type="checkbox"/>
Keys to locks (for access to sample points)	<input type="checkbox"/>
Appropriate vehicle to access sample site	<input type="checkbox"/>
Marker pen	<input type="checkbox"/>
Chlorine or flaming apparatus (blow torch)	<input type="checkbox"/>
OHS gear (appropriate footwear, sunscreen, hat, clothing insecticide, first aid kit)	<input type="checkbox"/>
QC samples (trip blanks, field blanks, duplicates etc.)	<input type="checkbox"/>
Best practice sampling methodology / SOP	<input type="checkbox"/>
Checklists/procedures	<input type="checkbox"/>
JSA/SWMS	<input type="checkbox"/>
Simmonds & Bristow's phone number when things go awry (07 3434 3800)	<input type="checkbox"/>



## Lab Sample Bottle Ready Reckoner

Parameter	Bottle type	Preservative	Holding time
pH, acidity, alkalinity	Plastic	Cool to 4°C	14 days (pH 6 hours)
BOD	Plastic 500 mL	Cool to 4°C, dark	2 days
BTEX	Vial	pH <2 (HCl), cool to 4°C	14 days
Carbon (DOC, TOC)	Glass	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Chlorophyll-a	Plastic	Cool to 4°C, dark	24 hours
COD	Plastic	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Colour	Plastic	Cool to 4°C, dark	2 days
Electrical conductivity	Plastic	Cool to 4°C	28 days
Surfactants (MBAS)	Glass	Cool to 4°C	2 days
Hardness	Plastic	pH <2 (HNO <sub>3</sub> ), cool to 4°C	28 days
Herbicides/pesticides	Glass	Cool to 4°C, dark	7 days
Heavy metals	Plastic	pH <2 (HNO <sub>3</sub> ), cool to 4°C	6 months
Microbiological	Plastic	Sterilised, thiosulphate, cool to 4°C	24 hours
Nitrogen - ammonia	Plastic	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Nitrogen - nitrate/nitrite (NO <sub>x</sub> )	Plastic	Filtered, cool to 4°C	2 days
Nitrogen - TKN	Plastic	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Nitrogen - Total	Plastic	Use TKN & NO <sub>x</sub> bottles	28 days / 2 days
Oil & grease	Glass	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Phenols	Glass	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
Orthophosphate	Plastic	Filtered, cool to 4°C	28 days
Phosphate - total	Plastic	pH <2 (H <sub>2</sub> SO <sub>4</sub> ), cool to 4°C	28 days
PAH's	Glass	Cool to 4°C, dark	7 days
Solids - total suspended	Plastic	Cool to 4°C	7 days
Sulphate	Plastic	Cool to 4°C	28 days
Sulphide	Plastic	Zn Acetate/NaOH, cool to 4°C	7 days
TPH	Glass	Cool to 4°C	7 days
Turbidity	Plastic	Cool to 4°C	2 days
VOC's	Vial	pH <2 (HCl), cool to 4°C	14 days

**Note: This information is provided as a general guide only; sample container, preservative and holding times may vary between individual labs.**

