


Originator	Approved	Terra Tek Laboratory Management System	 TERRA TEK <small>Site Investigation & Laboratory Services</small> Revision 02 Issue date 19/11/03 Page 1 of 1
S Langman	G Wilson	Preparation of Water Samples for Chemical Analysis	

SAMPLE PRESERVATION GUIDE

Parameter	Minimum Sample Size	Container	Preservative	Maximum Holding Time
Ammonia	100ml	HDPE	H ₂ SO ₄	28 days
BOD	250ml	Amber Glass	Cool 4°C	48 hours
Boron	50ml	HDPE	None	28 days
COD	100ml	HDPE	H ₂ SO ₄	28 days
Chloride	100ml	HDPE	None	28 days
Chromium VI	100ml	HDPE	Cool 4°C	24 hours
Conductivity	100ml	HDPE	Cool 4°C	28 days
Cyanide	100ml	HDPE	NaOH	14 days
Fluoride	100ml	HDPE	None	28 days
ICRCL Suite (Drinking Water)	3000ml	2 x Amber Glass 1 x HDPE	Various	Various
Mercury	100ml	HDPE	HNO ₃	28 days
Metals	300ml	HDPE	HNO ₃	6 months
Nitrate	100ml	HDPE	Cool 4°C	48 hours
Nitrite	100ml	HDPE	Cool 4°C	48 hours
pH	50ml	HDPE	None	Analyse imm.
Phenols (GCMS)	1000ml	Amber Glass	H ₂ SO ₄	7 days/40 days
PCBs (GCMS)	1000ml	Amber Glass	Cool 4°C	7 days/40 days
PAHs (GCMS)	1000ml	Amber Glass	Cool 4°C	7 days/40 days
Pesticides	1000ml	Amber Glass	Cool 4°C	7 days/40 days
SVOCs	1000ml	Amber Glass	Cool 4°C	7 days/40 days
Sulphate	100ml	HDPE	Cool 4°C	28 days
Sulphide	100ml	HDPE	ZnAc/NaOH	7 days
Total Dissolved Solids	1000ml	HDPE	Cool 4°C	7 days
Total Suspended Solids	100ml	HDPE	Cool 4°C	7 days
TPH/Mineral Oil	1000ml	Amber Glass	Cool 4°C	7 days/40 days
VOCs	40ml	Glass Vial	Cool 4°C	14 days

Notes:

- Where two holding times are quoted, the first is prior to extraction, the second is after extraction.