

Guide for sample handling – Water



General recommendations: Store samples cool and dark. Send to the laboratory without delay.

Compound /Group of compounds	Package	Sample vol.	Sample container	Note	Rec. max. time before analysis
Acetates	OV-11	250 ml	glass	Top-filled	
Acrylamide		500 ml	glass	Top-filled	
Alcohols	OV-15	250 ml	glass	Top-filled	
Aldehydes	OV-33	1000 ml	glass	Top-filled	
Alkalinity		50 ml	plastic		24 hours
Alkylbenzenes	OV-17	250 ml	glass	Top-filled	
Alkylphenols	OV-18a	1000 ml	glass		
Ammonium		50 ml	plastic	Frozen	
AOX		1000 ml	plastic	Frozen	
Arsenic speciation	OV-19c	250 ml	glass	Top-filled	
BOD		500 ml	plastic	Frozen	
Brominated flame retardants	OV-25	1000 ml	glass		
BTEX	OV-5	100 ml	glass	Top-filled. (Can be sampled in vials)	
Chlorinated aliphatics	OV-6	100 ml	glass	Top-filled. (Can be sampled in vials)	
Chlorobenzenes	OV-8	1000 ml	glass		
Chlorophenols	OV-7	1000 ml	glass		
Chromium 6+		50 ml	plastic		24 hours
COD		100 ml	plastic	Frozen	
Colour		150 ml	plastic		5 days
Conductivity		50 ml	plastic		24 hours
Creosotes	OV-24	1000 ml	glass	Top-filled	
Cyanide		500 ml	plastic	Preserved after sampling using a NaOH tablet.	
Dioxins/furans	OV-22	1000 ml	glass		
Dry matter		1000 ml	plastic		7 days
EGOM		1000 ml	glass		
Envipack				3*1000 ml glass + 1*250 ml glass + 1*125 ml plastic for metals	
Ethylene glycol + propylene glycol		250 ml	glass		
Fe ²⁺ /Mn ²⁺		250 ml	glass	Top-filled. Preserved with 25% H ₂ SO ₄ after sampling.	7 days
Formaldehyde		250 ml	glass	Top-filled	
Glycol – ethylene & propylene		250 ml	glass		
Glyphosate/AMPA	OV-3d	100 ml	glass		
Ketones	OV-16	250 ml	glass	Top-filled	
Metals		125 ml	plastic	Acid-washed bottle for: V-2, V-5, V-6	See "Samples for metal analysis"
Methane		2 vials		1 top-filled + 1 half full vial. Crimper may be borrowed from ALS.	
MtBE		250 ml	glass	Top-filled	
Nitrate		50 ml	plastic	Frozen	
Nitrite		10 ml	plastic		24 hours
Nitrotoluenes	OV-27a	1000 ml	glass		

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Nonylphenol + ethoxylates	OV-18 c/d/e	1000 ml	glass		
Oil analysis (IR)	OV-20b	1000 ml	glass	Filled to 80%. Preserved after arrival to ALS.	
Oil index	OV-20c	1000 ml	glass	Filled to 90%.	
Organolead compounds	OV-19b	1000 ml	glass		
Organotin compounds	OV-19a	500 ml	glass		
Oxygen			2 Winkler bottles	Precipitated with two reagents after sampling	3 days
PAH	OV-1	1000 ml	glass		
PCB	OV-2	1000 ml	glass		
Pesticides (Swedish EPA)	OV-3e	1000 ml	glass		
Pesticides - organochlorinated	OV-3a	1000 ml	glass		
Pesticides, railway embankments 1	OV-3f	2000 ml	glass		
Pesticides, railway embankments 2	OV-3g	1000 ml	glass		
Pesticides, railway embankments 3	OV-3h	2000 ml	glass		
Petrolpack	OV-20a	1000 ml	glass	Top-filled	
pH		50 ml	plastic		24 hours
Phenol index		250 ml	glass	Preserved after arrival to ALS	
Phenoxy alkanolic acids	OV-9 a/b	1000 ml	glass		
Phthalates	OV-4	1000 ml	glass	Avoid plastic in contact with the sample!	
Radon		250 ml	glass	Toppfylls. Indicate sampling time + date.	
RDX,HMX,TNT	OV-27b	1000 ml	glass		
Screening, semivolatiles	OV-12a	1000 ml	glass		
Screening, volatiles	OV-13a	100 ml	glass	Top-filled	
Solvents	OV-14 b/c	100 ml	glass	Top-filled	
Sulfide		250 ml	plastic	Preserved with zinc acetate after sampling	7 days
Sulfite		250 ml	plastic	Preserved with EDTA after sampling	48 hours
Suspended solids		1000 ml	plastic		48 hours
Tensides - anionic		500 ml	glass		48 hours
- cationic		500 ml	glass		48 hours
- non-ionic		1000 ml	glass	Preserved after arrival to ALS	
Terpenes	OV-29	1000 ml	glass	Top-filled	
TOC		100 ml	plastic	Frozen	
Trihalomethanes; THM	OV-10	100 ml	glass	Top-filled	
Turbidity		50 ml	plastic		24 hours
VOC	OV-14a	100 ml	glass	Top-filled	