

Distribution schedule for QualcoDuna Proficiency Testing Scheme 2024 - Laboratory proficiency tests

Parameters in one row are distributed as one sample (except for pesticides).

2024/Round I. (11th March - 13th March)	
Theme	Parameters
Drinking water	pH (20°C), conductivity (20°C)
	Ca, Mg, total hardness, As, Ni, Pb, Zn
	NH_4^+ , NO_3^- , PO_4^{3-}
	NO_2^- , Hg
	COD_{Mn} , TOC
	F (free)
Wastewater	As, Cd, Co, Cr, Cu, Ni, Pb, Zn
	Sb, Se, Sn
	NH_4^+ -N, NO_3^- -N, Kjeldahl N, PO_4^{3-} -P, total P
	NO_2^- -N, Hg
	COD_{Cr} , cBOD_5 , TOC
	F (free)
Sediment/ sludge	PAHs, PCBs
	EPH (C_{10} - C_{40})
Soil	Ag, As, Ba, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Se, Sn and B, Sb, Sn
	PAHs, PCBs
	EPH (C_{10} - C_{40})

2024/Round III. (26th Aug - 28th Aug)	
Theme	Parameters
Drinking water	Cl^- , SO_4^{2-} , K, Na
	Fe, Mn, Al, Ba, Cd, Cr, Cu
	Sb, Se, Sn
	phenol index
	AOX
	CN^- (total)
	turbidity
Surface water	SO_4^{2-} , K, Na, Fe, Mn, Al, As, Cd, Cr, Cu
	total N, TON
	COD_{Cr} , cBOD_5 , TOC
	Sb, Se, Sn
	phenol index
	AOX
	CN^- (total)
	turbidity
Bathing water	SO_4^{2-} , K, Na, Fe, Mn, Al, As, Cd, Cr, Cu
	turbidity
Emission quartz filter (digest)	As, Cd, Co, Cr, Cu, Hg, Mn, Ni, Pb, Sb, Se, Sn, Te, Tl, V, Zn
Impinger solution	NO_2
Surface water - biology	Seedling plant toxicology tests

2024/Round II. (21st May - 23rd May)	
Theme	Parameters
Drinking water	Pesticides
Surface water	Cl^- , Ca, Mg, total hardness, Ni, Pb, Zn
	NH_4^+ -N, NO_3^- -N, PO_4^{3-} -P
	COD_{Mn} , TOC
	MBAS
	Hg
Groundwater	PAHs, PCBs
	EPH (C_{10} - C_{40})
	BTEX
	Pesticides
Bathing water	pH (20°), conductivity (20°C), total dissolved solids
	Cl^- , Ca, Mg, total hardness, Ni, Pb, Zn
	NH_4^+ -N, NO_3^- -N, PO_4^{3-} -P
	COD_{Mn} , TOC
	MBAS
Wastewater	pH (20°C), conductivity (20°C), total dissolved solids
	total OSE
	AOX
Sediment/ sludge	K, Na, Ca, Mg, Fe, Mn, As, B, Pb, Zn
Soil	BTEX
Surface water - biology	Chlorophyll-a
	Phytoplankton investigations
	Daphnia toxicology tests

2024/Round IV. (07th Oct - 09th Oct)	
Theme	Parameters
Wastewater	Cl^- , SO_4^{2-} , K, Na
	Ca, Mg, total hardness, Fe, Mn, Al, Ba
	Ag
	B
	Mo
	Cr(VI)
	total N, organic N, TON, TOC
	MBAS
	phenol index
	CN^- (total)
Sediment/sludge	dry matter content (105 °C), loss and residue on ignition (600 °C), ash content (800 °C), total N, total P, Ba, Cd, Co, Cr, Cu, Mo, Ni, Se, Hg
Solid waste	pH (25°), conductivity (25°C), total water soluble material, Cl^- , SO_4^{2-} , F (free), As, Ba, Cd, Co, Cr, Cu, Mo, Ni, Pb, Zn

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Distribution schedule for QualcoDuna Proficiency Testing Scheme 2024 - Sampling proficiency tests

Theme	Parameters	Scheduled date
2024/S01 Drinking water sampling	on-site: pH (20°C), conductivity (20°C), free active chlorine, bound active chlorine, water temperature	April
	by subcontracted laboratory: Ca, Mg, Fe, Mn, Na, Cl ⁻ , COD _{Mn}	
2024/S02 Surface water sampling	on-site: pH (20°C), conductivity (20°C)	May
	by subcontracted laboratory: Ca, Mg, Fe, Cl ⁻ , SO ₄ ²⁻ , NO ₃ ⁻	
2024/S02 Groundwater sampling	on-site: pH (20°C), conductivity (20°C)	May
	by subcontracted laboratory: Ca, Mg, Fe, Cl ⁻ , SO ₄ ²⁻ , NO ₃ ⁻	
2024/S03 Wastewater sampling	on-site: pH (25°C), conductivity (25°C), water temperature	September
	by subcontracted laboratory: total N, Cl ⁻ , SO ₄ ²⁻ , Ca, Mg, Pb, Zn	
2024/S04 Contaminated soil sampling	by subcontracted laboratory: so-called total As, Cd, Cu, Pb, Zn	September
2024/S04 Solid waste sampling	by subcontracted laboratory: loss on ignition (600°C), total water soluble material (L/S=10), so-called total As, Cd, Cu, Pb, Zn	September
2024/S05 Bathing water sampling	on-site: pH (20°C), free active chlorine, bound active chlorine, total active chlorine	March
	by subcontracted laboratory: Ca, Mg, Fe, Mn, Cl ⁻ , NO ₃ ⁻ , COD _{Mn}	