

Sustainable use of water resources								
Matrix	PT01, Program	Scheme	Sample matrix	Year 2026	Year 2027	Year 2028	Year 2029	Year 2030
Wastewater	Water chemistry	Wastewater analyses I (WW)	Pulp and paper industrial wastewater Municipal wastewater Natural water (BOD ₇ and COD _{Mn})	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC, Ca, K, Mg	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC, Ca, K, Mg	BOD ₇ , COD _{Cr} , COD _{Mn} , suspended solids, Na, TOC
Wastewater	Water chemistry	Wastewater analyses II (WW)	Pulp and paper industrial wastewater Municipal wastewater	Alkalinity, conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH	Chloride, conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH, SO ₄ ²⁻	Alkalinity, conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH	Chloride, conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH, SO ₄ ²⁻	Alkalinity, conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH
Natural water	Water chemistry	Natural water analyses I (NW)	Lake or river water Coastal water	Alkalinity, conductivity 25 °C, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , PO ₄ -P _{dissolved} , P _{tot} , dissolved, pH	Chlorophyll <i>a</i> , conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , P _{PO4} , P _{tot} , pH, suspended solids, turbidity	Alkalinity, conductivity 25 °C, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , PO ₄ -P _{dissolved} , P _{tot} , dissolved, pH	Chlorophyll <i>a</i> , conductivity 25 °C, colour, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , pH, suspended solids, turbidity	Alkalinity, conductivity 25 °C, NH ₄ -N, NO ₂ -N+NO ₃ -N, N _{tot} , PO ₄ -P, P _{tot} , PO ₄ -P _{dissolved} , P _{tot} , dissolved, pH
Natural water	Water chemistry	Natural water analyses II (NW)	Lake or river water Coastal water	Chlorophyll <i>a</i> , oxygen, salinity, SiO ₂ , TOC, TIC		Chlorophyll <i>a</i> , oxygen, salinity, SiO ₂ , TOC, TIC		Chlorophyll <i>a</i> , oxygen, salinity, SiO ₂ , TOC, TIC
Drinking water	Water chemistry	Drinking water analyses (DW)	Ground water Drinking water	COD _{Mn} , Cl ⁻ , conductivity, F ⁻ , hardness, pH, NO ₂ ⁻ , NO ₃ ⁻ , NH ₄ ⁺ , Fe, Mn, Ca, K, Mg, Na, SO ₄ ²⁻	Alkalinity, Cl ⁻ , conductivity, F ⁻ , pH, NO ₂ ⁻ , NO ₃ ⁻ , NH ₄ ⁺ , Fe, Mn, Ca, K, Mg, Na, SO ₄ ²⁻ , TOC, turbidity	COD _{Mn} , Cl ⁻ , conductivity, F ⁻ , hardness, pH, NO ₂ ⁻ , NO ₃ ⁻ , NH ₄ ⁺ , Fe, Mn, Ca, K, Mg, Na, SO ₄ ²⁻	Alkalinity, Cl ⁻ , conductivity, F ⁻ , pH, NO ₂ ⁻ , NO ₃ ⁻ , NH ₄ ⁺ , Fe, Mn, Ca, K, Mg, Na, SO ₄ ²⁻ , TOC, turbidity	COD _{Mn} , Cl ⁻ , conductivity, F ⁻ , hardness, pH, NO ₂ ⁻ , NO ₃ ⁻ , NH ₄ ⁺ , Fe, Mn, Ca, K, Mg, Na, SO ₄ ²⁻
Drinking water	Water chemistry	Radon in ground water (RAD)	Ground water		²²² Rn		²²² Rn	
Biological intercomparisons	Phytoplankton	Phytoplankton (PHYTO)	Identification of species		Phytoplankton			
		Benthic invertebrates* (ZOO)	Taxon identification			Benthic invertebrates		
		Benthic diatoms* (DIATOM)	Identification of species		Benthic diatoms			
		In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need/the resources.						
Other intercomparisons		Intercomparison test for field measurements (KMV)*	Natural water	Conductivity, oxygen, pH, temperature, turbidity	Conductivity, oxygen, pH, temperature, turbidity	Conductivity, oxygen, pH, temperature, turbidity	Conductivity, oxygen, pH, temperature, turbidity	Conductivity, oxygen, pH, temperature, turbidity
		In addition to these, some schemes are organized less frequently, and development schemes are organized based on the need/the resources, e.g. AOX* (AOX in natural water and wastewater).						

Built environment								
Matrix	PT01, Program	Scheme	Sample matrix	Year 2026	Year 2027	Year 2028	Year 2029	Year 2030
Swimming pool water	Water chemistry	Swimming pool water analyses (SPW)	Swimming pool water	Free, combined and total chlorine, urea, turbidity, NO ₃ ⁻ , pH, KMnO ₄	Free, combined and total chlorine, urea, turbidity, NO ₃ ⁻ , pH, KMnO ₄	Free, combined and total chlorine, urea, turbidity, NO ₃ ⁻ , pH, KMnO ₄	Free, combined and total chlorine, urea, turbidity, NO ₃ ⁻ , pH, KMnO ₄	Free, combined and total chlorine, urea, turbidity, NO ₃ ⁻ , pH, KMnO ₄
Indoor air and building material		Indoor air VOC measurements (IAVOC)*	Sample in Tenax TA tube	TVOC and separate VOC compounds			TVOC and separate VOC compounds	
		Asbestos in building material samples (ABS)*	Building material		Asbestos silicate minerals		Asbestos silicate minerals	
		Identification and counting of man-made mineral fibres* (MMMF)	TBC	Man-made mineral fibers		Man-made mineral fibers		Man-made mineral fibers
Solid fuels	Calorific value	Gross and net calorific value of fuels (CAL)	Coal, peat, wood pellet	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, S	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, S	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, S	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, S	Gross and net calorific value, moisture and ash content, volatile compounds, C, Cl, F, H, N, S
Other quality assessment services		Microbiological housing health analysis* (ASTE)			Cultivation method, identification of pure cultures, direct microscopy, direct cultivation, qPCR method		Cultivation method, identification of pure cultures, direct microscopy, direct cultivation, qPCR method	
In addition to these, some schemes are organized less frequently and development schemes are organized based on the need/the resources, e.g. IAPAH* (PAH measurements from indoor air samples).								

Circular economy								
Matrix	PT01, Program	Scheme	Sample matrix	Year 2026	Year 2027	Year 2028	Year 2029	Year 2030
Waste and recycled material	Waste and recycling	Leaching behavior test for solid material (LT)	Waste or recycled material	Two stage batch leaching test	Up-flow percolation test		Two stage batch leaching test	One stage batch leaching test
In addition to these, some schemes are organized less frequently and development schemes are organized based on the need/the resources, e.g. soil improver maturity test, sampling intercomparison test.								

Hazardous substances								
Matrix	PT01, Program	Scheme	Sample matrix	Year 2026	Year 2027	Year 2028	Year 2029	Year 2030
Water samples	Elemental analyses	Metal analyses (MET)	Water sample, see year specific column	Sample matrices: - Drinking water - Industrial wastewater Measurands: Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, P, Pb, Sb, Se, Sn, Ti, V, Zn	Sample matrices: - Groud water - Municipal wastewater Measurands: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, U, V, Zn	Sample matrices: - River or lake water - Industrial wastewater Measurands: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Se, Sr, Ti, Tl, V, Zn	Sample matrices: - Drinking water - Municipal wastewater Measurands: Al, As, B, Ba, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Ti, V, Zn	Sample matrices: - Groud water - Industrial wastewater Measurands: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Tl, U, V, Zn
Solid environmental samples, waste material	Elemental analyses	Metal analyses (MET)	Solid sample, see year specific column	Sludge Additional measurements: Drw, N		Soil Additional measurements: Ca, Mg, Na, N, P, S		
Water samples, solid environmental samples, waste material	Organic chemistry	Organic compounds in solid and water samples	Natural water, soil	VOC analyses (VOC)		Oil hydrocarbons (OIL) C5-C10, >C10–C40, >C10-C21, >C21-C40	VOC analyses (VOC)	
			Solid sample, see year specific column		Sample matrix: Building material / waste material Measurands: Oil hydrocarbons PCB compounds PAH compounds		Sample matrix: Building material / waste material Measurands: Oil hydrocarbons PCB compounds PAH compounds	
In addition to these, some schemes are organized less frequently and development schemes are organized based on the need/the resources, e.g. Ecotoxicological tests (BTOX*), organic comparisons (PAH, PCB, pesticides, trihalomethanes in water).								