

**The Appendix is an integral part of
Certificate of Accreditation No. 363/2023 of 07/07/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

VODÁRNA PLZEŇ a.s.
CAB number 1202, Laboratory Department
Malostranská 143/2, Doudlevec, 326 00 Plzeň

Testing laboratory locations:

1. **Waste Water Laboratory** Jateční 2581/40, 301 00 Plzeň
2. **Drinking Water Laboratory** Malostranská 143/2, Doudlevec, 326 00 Plzeň

The laboratory applies a flexible approach to the scope of accreditation.

*The current list of activities carried out within the flexible scope is publicly available on the laboratory's website:
<https://www.vodarna.cz/laboratorni-rozbor>.*

The laboratory provides opinions and interpretations of test results.

The laboratory is qualified to carry out independent sampling.

Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation“.

1. Waste Water Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Determination of pH by potentiometry	SOP-O-07/pH part A (ČSN ISO 10523)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
2	Determination of pH by potentiometry	SOP-O-07/pH part B (ČSN EN 12176:1999; ČSN EN ISO 10390)	Sludge, sediment, screenings, sand, soil	A
3	Determination of acid neutralizing capacity by potentiometry (ANC _{4.5})	SOP-O-08/ANC _{4.5} part A (ČSN ISO 9963-1)	Drinking water, raw water (surface, ground), service water, waste water	-
4	Determination of acid neutralizing capacity by potentiometry (ANC _{4.5})	SOP-O-08/ANC _{4.5} part B (ČSN ISO 9963-1)	Sludge, sediment, screenings, sand, soil	A
5	Determination of chemical oxygen demand with dichromate (COD _{Cr})	SOP-O-11/COD _{Cr} part A (ČSN ISO 6060; TNV 75 7520)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
6	Determination of chemical oxygen demand with dichromate (COD _{Cr})	SOP-O-11/COD _{Cr} part B (ČSN ISO 6060)	Sludge	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
7	Determination of chemical oxygen demand with dichromate – spectrophotometric test – Merck analytical commercial set (COD _{Cr})	SOP-O-11/COD _{Cr} /SP part A (ČSN ISO 15705; Merck manual)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
8	Determination of chemical oxygen demand with dichromate – spectrophotometric test – Merck analytical commercial set (COD _{Cr})	SOP-O-11/COD _{Cr} /SP part B (ČSN ISO 15705; Merck manual)	Sludge	-
9	Determination of biochemical oxygen demand after n days by optical sensor method (BOD _n)	SOP-O-13/BOD ₅ (ČSN EN ISO 5815-1; ČSN EN 1899-2; ČSN ISO 17289)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
10	Determination of total solids, total annealed solids by gravimetry (TS, TSa.), and loss on ignition by calculation from measured values (TSI.o.i.)	SOP-O-14/VL, 15/TSa. part A (ČSN 83 0540-3:1979, part A)	Drinking water, raw water (surface, ground), service water, waste water	-
11	Determination of total solids, total annealed solids by gravimetry (TS, TSa.), and loss on ignition by calculation from measured values (TSI.o.i.)	SOP-O-14/VL, 15/TSa. part B (ČSN EN 12880; ČSN EN 15934; ČSN EN 15935)	Sludge, sediment, screenings, sand, soil	A
12	Determination of suspended solids, suspended solids annealed by gravimetry (SS, SSa.), and loss on ignition by calculation from measured values (SSI.o.i.)	SOP-O-16/NL, 17/SSa. part A (ČSN EN 872; ČSN 75 7350)	Drinking water, raw water (surface, ground), service water, waste water	-
13	Determination of suspended solids, suspended solids annealed by gravimetry (SS, SSa.), and loss on ignition by	SOP-O-16/SSNL, 17/SSa. part B (ČSN EN 872; ČSN 75 7350)	Sludge, sediment, screenings, sand, soil	A

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
	calculation from measured values (SSl.o.i.)			
14	Determination of dissolved solids, dissolved solids annealed by gravimetry (DS, DSa.), and loss on ignition by calculation from measured values (DSL.o.i.)	SOP-O-18/RL, 19/DSa. (ČSN 75 7346; ČSN 75 7347)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
15	Determination of ammonium by distillation (NH ₄ ⁺), ammonia nitrogen by calculation from measured values (N-NH ₄ ⁺)	SOP-O-21a/N-NH ₄ ⁺ part A (ČSN ISO 5664; ČSN 83 0540-10:1985)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
16	Determination of ammonium by distillation (NH ₄ ⁺), ammonia nitrogen by calculation from measured values (N-NH ₄ ⁺)	SOP-O-21a/N-NH ₄ ⁺ part B (ČSN EN 14671; ČSN ISO 5664; ČSN 83 0540-10:1985)	Sludge, sediment, screenings, sand, soil	A
17	Determination of Kjeldahl nitrogen by titration (N _k), organic, inorganic, total nitrogen (N org., N inorg., N tot.) by calculation from measured values	SOP-O-24, 25/N part A (ČSN EN 25663; ČSN 83 0540-13:1985, part C)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
18	Determination of Kjeldahl nitrogen by titration (N _k), organic, inorganic, total nitrogen (N org., N inorg., N tot.) by calculation from measured values	SOP-O-24, 25/N part B (ČSN EN 13342; ČSN EN 16169; ČSN 83 0540-13:1985, part C)	Sludge, sediment, screenings, sand, soil	A
19	Determination of ions (NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , P tot.) by CFA method, determination of nitrogen forms, inorganic nitrogen (N-NH ₄ ⁺ , N-NO ₂ ⁻ , N-NO ₃ ⁻ , Ninorg.) by calculation from measured values	SOP-O-86/ions CFA part A (ČSN EN ISO 11732; ČSN EN ISO 13395; ČSN EN ISO 15681-2)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
20	Determination of ions (NH ₄ ⁺ , NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , P tot.) by CFA method, determination of nitrogen forms, inorganic nitrogen (N-NH ₄ ⁺ , N-NO ₂ ⁻ , N-NO ₃ ⁻ , Ninorg.) by calculation from measured values	SOP-O-86/ions CFA Part B (ČSN EN ISO 11732; ČSN EN ISO 13395; ČSN EN ISO 15681-2; ČSN EN 14671)	Sludge	-
21	Determination of anionic surfactants by photometry (PAL A)	SOP-O-28/PAL A (UAM chap. 2.42.1:1986)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
22	Determination of extractives (fats and oils) by gravimetry (ES)	SOP-O-29/ES (ČSN ISO 11349; ČSN 75 7509; ČSN 75 7508)	Drinking water, raw water (surface, ground), service water, waste water	-
23	Determination of adsorbable organic halogens by coulometric method after thermal decomposition (AOX)	SOP-O-40/AOX part A (ČSN EN ISO 9562)	Drinking water, raw water (surface, ground), service water, waste water	-
24	Determination of adsorbable organic halogens by coulometric method after thermal decomposition (AOX)	SOP-O-40/AOX part B (ČSN EN 16166)	Sludge, sediment, screenings, sand, soil	A
25	Determination of polyaromatic hydrocarbons (LC with fluorescence detection) (PAH)	SOP-O-32/HPLC analytes-32/PAH (ČSN EN ISO 17993)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	B
26	Determination of chloride by titration (Cl ⁻)	SOP-O-36/Cl ⁻ (UAM chap. 2.22.2:1986)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
27	Determination of phenols by photometry (FN)	SOP-O-39/FN (UAM chap. 2.41.2:1986)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
28	Determination of metals by ICP/AES method and hardness by calculation from measured values)	SOP-O-74/metals ICP AES -74/metals part A (ČSN EN ISO 11885)	Drinking water, raw water (surface, ground), service water	B
29	Determination of metals by ICP/AES method	SOP-O-74/metals ICP AES -74/metals part B (ČSN EN ISO 11885)	Waste water, aqueous extract of sludge, sediment, screenings, sand, soil	B
30	Determination of metals by ICP/AES method	SOP-O-74/metals ICP AES -74/metals part C (ČSN EN ISO 11885; ČSN EN 16173; ČSN EN 16170; ČSN EN ISO 54321)	Sludge, sediment, screenings, sand, soil	A, B
31	Determination of metals (As, Sb, Sn, Se) by ICP/AES hydride method	SOP-O-74/metals ICP AES -74/metals part D (ČSN EN ISO 11885)	Drinking water, raw water (surface, ground), service water	-
32	Determination of metals (As, Sb, Sn, Se) by ICP/AES hydride method	SOP-O-74/metals ICP AES -74/metals part E (ČSN EN ISO 11885)	Waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
33	Determination of metals (As, Sb, Sn, Se) by ICP/AES hydride method	SOP-O-74/metals ICP AES -74/metals part F (ČSN EN ISO 11885; ČSN EN 16173; ČSN EN 16170; ČSN EN ISO 54321)	Sludge, sediment, screenings, sand, soil	A
34	Determination of mercury by spectrophotometry (Hg)	SOP-O-76/Hg (ČSN 75 7440; EPA Method 7473; ČSN EN 16173)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil; sludge, sediment, screenings, sand, soil	A

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
35	Determination of total nitrogen using TN analyzer (N tot.)	SOP-O-67/C, 25/N tot. Part A (ČSN EN ISO 20236)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
36	Determination of total nitrogen using TN analyzer (N tot.)	SOP-O-67/C, 25/N tot. Part B (ČSN EN ISO 20236)	Sludge, sediment, screenings, sand, soil	A
37	Determination of total, inorganic carbon using TC analyzer (TC, TIC), organic carbon, dissolved organic carbon by calculation from measured values (TOC, DOC)	SOP-O-67/C, 25/N tot. (ČSN EN 1484; ČSN EN ISO 20236)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
38	Determination of metals by ICP/MS method hardness by calculation from measured values	SOP-O-84/metals ICP MS-74/metals part A (ČSN EN ISO 17294-1; ČSN EN ISO 17294-2)	Drinking water, raw water (surface, ground), service water	B
39	Determination of metals by ICP/MS method	SOP-O-84/metals ICP MS-74/metals part B (ČSN EN ISO 17294-1; ČSN EN ISO 17294-2)	Waste water, aqueous extract of sludge, sediment, screenings, sand, soil	B
40	Determination of metals by ICP/MS method	SOP-O-84/metals ICP MS-74/metals part C (ČSN EN ISO 17294-1; ČSN EN ISO 17294-2; ČSN EN 16173; ČSN EN 16171; ČSN EN ISO 54321)	Sludge, sediment, screenings, sand, soil	A, B
41	Determination of hydrocarbons C ₁₀ – C ₄₀ by GC method with flame ionization detection	SOP-O-30/ C ₁₀ – C ₄₀ (ČSN EN ISO 9377-2; TNI 757507)	Drinking water, raw water (surface, ground), service water, waste water	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
42	Determination of analytes (PAL A, Cl ⁻ , SO ₄ ²⁻ , F ⁻) by CFA method	SOP-O-86/ CFA II analytes (ČSN ISO 16265; ČSN EN ISO 15682; ČSN ISO 22743; TNV 75 7431)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
25	fluoranthene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, benzo[g,h,i]perylene, indeno[c,d]pyrene, sum of PAH – by calculation from measured values
28	Ag, Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Si, Sr, V, Zn
29	Ag, Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, P, Pb, V, Zn
30	Ag, Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Ni, P, Pb, V, Zn
38	Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Si, Sr, Sn, V, Zn
39	Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sn, V, Zn
40	Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mo, Ni, P, Pb, Se, V, Zn

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1	Water sampling	SOP-500/Sampling A (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 5667-16; ČSN ISO 5667-5; ČSN EN ISO 5667-14; ČSN EN ISO 19458; MoH Regulation No. 252/2004 Coll.)	Drinking water, raw water (surface, ground for the production of drinking water), service water
2	Waste water sampling (by manual and automatic sampler)	SOP-500/Sampling B1 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN ISO 5667-10; ČSN EN ISO 5667-14; ČSN 75 7315)	Waste water
3	Sampling of sludge	SOP-500/Sampling B2 (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 5667-13; ČSN EN ISO 5667-14; ČSN EN ISO 5667-15)	Sludge, sediment, screenings, sand, soil

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

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2. Drinking Water Laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
1	Determination of colour by photometry	SOP-P-01/B (ČSN EN ISO 7887)	Drinking water, raw water (surface, ground), service water	-
2	Sensory determination of odour	SOP-P-02/odour (ČSN 757340; ČSN EN 1622)	Drinking water, raw water (ground), service water	-
3	Sensory determination of taste	SOP-P-79/taste (ČSN 757340; ČSN EN 1622)	Drinking water	-
4	Determination of conductivity by conductometry	SOP-P-04/KON (ČSN EN 27888)	Drinking water, raw water (surface, ground), service water	-
5	Determination of turbidity by nephelometry	SOP-P-06/Z (ČSN EN ISO 7027)	Drinking water, raw water (surface, ground), service water	-
6	Determination of pH by potentiometry	SOP-P-07/pH (ČSN ISO 10523)	Drinking water, raw water (surface, ground), service water	-
7	Determination of acid neutralizing capacity by titration (ANC _{4.5})	SOP-P-ANC _{4.5} (ČSN ISO 9963-1)	Drinking water, raw water (surface, ground), service water	-
8	Titrimetric determination of chemical oxygen demand using permanganate (COD _{Mn})	SOP-P-12/COD _{Mn} (ČSN EN ISO 8467)	Drinking water, raw water (surface, ground), service water	-
9	Determination of suspended solids by gravimetry (SS)	SOP-P-16/NL (ČSN EN 872)	Drinking water, raw water (surface, ground), service water	-
10	Determination of dissolved solids by gravimetry (DS)	SOP-P-18/RL (ČSN 75 7346)	Drinking water, raw water (surface, ground), service water	-
11	Determination of ammonium by photometry (NH ₄ ⁺), ammonia nitrogen (N-NH ₄ ⁺) by calculation from measured values	SOP-P-21/NH ₄ ⁺ (ČSN ISO 7150-1)	Drinking water, raw water (surface, ground), service water	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
12	Determination of nitrite by photometry (NO ₂ ⁻), nitrite nitrogen (N-NO ₂ ⁻) by calculation from measured values	SOP-P-22/NO ₂ ⁻ (ČSN EN 26777)	Drinking water, raw water (surface, ground), service water	-
13	Determination of volatile organic compounds by GC/MS method (VOC)	SOP-P-69/GC MS analytes -65/TOL (ČSN EN ISO 10301; ČSN EN ISO 17943)	Drinking water, raw water (surface, ground), service water	B
14	Determination of pesticides, their metabolites and other organic substances by LC/MS/MS method, pesticidal substances by calculation from measured values (PLC)	SOP-P-90/analytes LC MS, LC – PST ESI+, 68/PLC (EPA Method 547; EPA Method 1694; EPA Method 535-1; EPA Method 536-1; EPA Method 537-1)	Drinking water, raw water (surface, ground), service water	B
15	Determination of pesticides and other organic substances by LC/MS/MS method	SOP-P-90/analytes LC MS, LC – PST ESI-, 68/PLC (EPA Method 547; EPA Method 1694; EPA Method 535-1; EPA Method 536-1; EPA Method 537-1)	Drinking water, raw water (surface, ground), service water	B
16	Determination of total, organic carbon and dissolved organic carbon using TOC analyzer (TOC, DOC)	SOP-P-67/C (ČSN EN 1484; ČSN EN ISO 20236)	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	-
17	Determination of pesticides by GC/MS method (PST)	SOP-P-69/GC MS analytes - 69/PST (OCP) (ČSN EN ISO 10695; ČSN EN ISO 6468; ČSN ISO 27108)	Drinking water, raw water (surface, ground), service water	B
18	Determination of anions by IC method and determination of nitrogen forms (N-NO ₂ ⁻ , N-NO ₃ ⁻) by calculation from measured values	SOP-P-85/anions IC (ČSN EN ISO 10304-1; ČSN EN ISO 10304-4; ČSN EN ISO 15061;	Drinking water, raw water (surface, ground), service water, waste water, aqueous extract of sludge, sediment, screenings, sand, soil	B

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
		ČSN 75 7415; EPA Method 335.2)		
19	Enumeration of culturable microorganisms at 22 °C by direct inoculation in a nutrient agar culture medium	SOP-P-51/KM _{22 °C} (ČSN EN ISO 6222)	Drinking water, raw water (surface, ground), service water	-
20	Detection and enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration method	SOP-P-52/KB, EC (ČSN EN ISO 9308-1:2001)	Drinking water, raw water (surface, ground), service water	-
21	Detection and enumeration of coliform bacteria and <i>Escherichia coli</i> by Colilert method	SOP-P-52a/KB, EC (ČSN EN ISO 9308-2)	Drinking water	-
22	Microscopic enumeration of organisms, living organisms	SOP-P-53/BR-PO, ŽO (ČSN 75 7712)	Drinking water, raw water (surface, ground), service water	-
23	Microscopic determination of abioseston	SOP-P-54/abioseston (ČSN 75 7713)	Drinking water, raw water (surface, ground), service water	-
24	Detection and enumeration of thermotolerant bacteria, <i>Escherichia coli</i> by membrane filtration method	SOP-P-55/FB, EC (ČSN 75 7835)	Drinking water, raw water (surface, ground), service water	-
25	Detection and enumeration of coliform bacteria by membrane filtration	SOP-P-56/KB (ČSN 75 7837)	Drinking water, raw water (surface, ground), service water	-
26	Detection and enumeration of intestinal enterococci by membrane filtration method	SOP-P-57/E (ČSN EN ISO 7899-2)	Drinking water, raw water (surface, ground), service water	-
27	Reserved			
28	Enumeration of culturable microorganisms at 36 °C by direct inoculation in a nutrient agar culture medium	SOP-P-62/KM _{36 °C} (ČSN EN ISO 6222)	Drinking water, raw water (surface, ground), service water	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Subject of the test	Degrees of freedom ³
29*	Determination of temperature (t)	SOP-03/temperature part A (ČSN 75 7342)	Drinking water, raw water (surface, ground), service water and waste water	-
30*	Determination of temperature (t)	SOP-03/temperature part B (ČSN 75 7342)	Sludge	A
31*	Determination of free and total chlorine by spectrophotometry using HACH set (Cl ₂), bound chlorine by calculation from measured values	SOP-37/Cl ₂ (ČSN EN ISO 7393-2)	Drinking water, raw water (surface, ground), service water	-
32	Enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration	SOP-P-52b/KB, EC (ČSN EN ISO 9308-1)	Drinking water with a low content of accompanying microflora	-
33	Reserved			-
34	Determination of <i>Clostridium perfringens</i> by membrane filtration	SOP-P-58a/CP (ČSN EN ISO 14189)	Drinking water, raw water (surface, ground), service water	-
35	Determination of pharmaceuticals by LC/MS/MS method (LEC)	SOP-P-90/LC MS, LC analytes - 91/ LEC ESI+ Pharmaceuticals (ČSN EN ISO 21676)	Drinking water, raw water (surface, ground), service water	B
36	Determination of pharmaceuticals by LC/MS/MS method (LEC)	SOP-P-90/LC MS, LC analytes - 91/ LEC ESI- Pharmaceuticals (ČSN EN ISO 21676)	Drinking water, raw water (surface, ground), service water	B

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

**The Appendix is an integral part of
Certificate of Accreditation No. 363/2023 of 07/07/2023**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

VODÁRNA PLZEŇ a.s.
CAB number 1202, Laboratory Department
Malostranská 143/2, Doudlevice, 326 00 Plzeň

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
13	Chloroform, 1,1,1-trichloroethane, 1,2-dichloroethane, Benzene, Tetrachloromethane, 1,1,2-trichloroethene, Bromodichloromethane, Toluene, Dibromchloromethane, 1,1,2,2-tetrachloroethene, m+p-xylene, Chlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, o-xylene, Bromoform, cis 1,2-dichloroethene, Ethylbenzene, Styrene, Dichloromethane, Chloroethene, sum of THM – by calculation from measured values, sum of Xylenes - by calculation from measured values
14	1-H-Benzotriazol, 5-methyl-1-H Benzotriazol, Acetochlor, Acetochlor ESA, Acetochlor OA, Alachlor, Alachlor ESA, Alachlor OA, Ametryn, AMPA, Atrazine, atrazine-2-hydroxy, Atrazine-desethyl, Atrazine-desethyl-desisopropyl, Azoxystrobin, Clopyralid, Cyanazine, DEET, Desmetryn, Diazinon, Dichlorobenzamide 2,6-, Dimethachlor, Dimethachlor ESA, Dimethachlor OA, Diuron, Epoxikonazol, Glyphosate, Hexazinone, Chlorbromuron, Chlorfenvinphos, Chloridazone, Chloridazone-desphenyl, Chloridazone-methyl-desphenyl, Chlorotoluron, Isoproturon, Lenacil, Linuron, Metazachlor, Metazachlor ESA, Metazachlor OA, Methabenzthiazuron, Metobromuron, Metolachlor, Metolachlor ESA, Metolachlor OA, Metoxuron, Monolinuron, Prometryn, Propachlor, Propazine, Propiconazole, Sebuthylazin, Simazine, Tebuconazole, Terbutylazine-2-hydroxy, Terbutylazine-desethyl, Terbutylazine-desethyl-2-hydroxy, Terbutylazine, Terbutryn, Trietazine, sum of PLC – by calculation from measured values
15	Bentazone, Dicamba, MCPA, PFOS
17	Dichlobenil, Hexachlorobenzene, Lindane, p,p'-DDE, p,p'-DDT, p,p'-Methoxychlor, Heptachlor, Aldrin, Dieldrin, Heptachloroepoxide, Chlorpyrifos, Trifluralin, Endrin, Isodrin, Pendimethalin
18	(NO ₂ ⁻ , NO ₃ ⁻ , PO ₄ ³⁻ , Cl ⁻ , SO ₄ ²⁻ , F ⁻ , BrO ₃ ⁻ , ClO ₃ ⁻ , ClO ₂ ⁻) detection CD; (CN ⁻) detection VA
35	Clarithromycin, Diclofenac, Gabapentin, Carbamazepine, Metformin, Oxypurinol, Tramadol
36	Ibuprofen, Ibuprofen 2 hydroxy, Ibuprofen carboxy

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CAB number 1202, Laboratory Department
Malostranská 143/2, Doudlevice, 326 00 Plzeň

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification¹	Subject of sampling
1	Water sampling	SOP-500/Sampling A (ČSN EN ISO 5667-1; ČSN EN ISO 5667-3; ČSN EN ISO 5667-16; ČSN ISO 5667-5; ČSN EN ISO 5667-14; ČSN EN ISO 19458; Regulation No. 252/2004 Coll.)	Drinking water, raw water, surface water for the production of drinking water

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest edition of the specified procedure is used (including any changes)

Abbreviations:

SOP	Standard Operating Procedure
AMA	Single-Purpose Atomic Absorption Spectrometer
CFA	Continuous Flow Analyser
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LC/MS	Liquid Chromatography/Mass Spectrometry
LC	Liquid Chromatography
IC	Ion Chromatography
ICP/MS	Atomic Emission Spectrometer with mass detection
ICP/AES	Inductively Coupled Plasma Atomic Emission Spectrometry
EPA	U. S. Environmental Protection Agency
TC	Total Carbon
THM	Trihalomethanes
TN	Total Nitrogen
CD	Conductivity Detector
VA	Voltammetric Detector