

**The Appendix is an integral part of the
Certificate of Accreditation No. 32/2023 of 26/01/2023**

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

Dekonta, a.s.
Laboratory Ústí nad Labem - DLÚ
Podhoří 328/28, 400 10 Ústí nad Labem

The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

The up-to-date list of activities carried out within the flexible scope of accreditation is available in the laboratory at the Laboratory Manager.

The Laboratory is qualified to provide opinions and interpret test results.

The Laboratory is qualified to carry out independent sampling.

Tests:

Ordinal number¹	Test procedure/method name	Test procedure/method identification²	Test object
1*	Determination of weight concentration of gaseous pollutants by automated analyzers (non dispersed infrared spectroscopy(CO, CO ₂ , SO ₂))	SOP No. E1 procedure A (ČSN ISO 7935, ČSN EN 15058)	Emissions
2*	Determination of the flow velocity and volume flowrate	SOP No. E2 (ČSN ISO 10780, ČSN EN ISO 16911-1)	Emissions
3*	Determination of the volume concentration of oxygen (O ₂) by automated analyzer (paramagnetic method)	SOP No. E3 (ČSN EN 14789)	Emissions
4*	Determination of concentration of organic compounds expressed as total organic carbon (TOC) by automated analyzer (FID)	SOP No. E4 (ČSN EN 12619)	Emissions, ambient air and soil air
5	Determination of weight concentration of weight flow of solid pollutants in the manifold (manual gravimetry method)	SOP No. E5 (ČSN EN 13284-1, ČSN EN ISO 23210)	Emissions – filtration medium
6	Determination of the mass concentration of volatile organic compounds VOC ⁷ by gas chromatography with mass detection, by calculation from measured values	SOP No. E6 (ČSN P CEN/TS 13649, ČSN EN ISO 16017-1)	Emissions, ambient air, indoor air and soil air

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7	Determination of weight concentration of persistent organic substances (PCDD/PCDF, PCB and PAH) by calculation from measured values	SOP No. E7 (ČSN EN 1948-1, ČSN EN 1948-4+A1, ČSN P CEN/TS 16645, ČSN EN 15549, ČSN EN 15980)	Emissions and ambient air
8	Determination of the mass concentration of elements ⁵ , by calculation from measured values	SOP No. E8 (ČSN EN 14385, ČSN EN 13211 EPA method 29)	Emissions
9*	Determination of humidity of flue gas by absorption or absorption-condensation method	SOP No. E9 (ČSN EN 14790)	Emissions
10	Determination of suspended particulate matter in the air and its mass fraction PM10 and PM2.5 (gravimetry)	SOP No. E10 (ČSN EN 12341)	Ambient air
11	Determination of numerical concentration of asbestos and minerals fibbers ⁸ , by calculation from the measured values	SOP No. E11 (ČSN EN ISO 16000-7)	Ambient air and indoor air
12	Determination of weight concentration of vapours and gases by sampled by absorption to liquid (gas inorganic compounds chlorine and fluorine, ammonia, sulfane, chromium (VI+), mineral acids and bases, oxides of sulphur and sulphuric acid, hydrogen cyanide and cyanides, phenol and phenol's compounds, oxides of nitrogen, phosphorus and its compounds)	SOP No. E12 (ČSN 75 7415, ČSN 83 4711-1, ČSN 83 4711-2, ČSN 83 4711-3, ČSN 83 4711-4, ČSN 83 4711-5, ČSN 83 4711-6, ČSN 83 4711-7, ČSN 83 4713-1, ČSN 83 4713-2, ČSN 83 4713-3, ČSN 83 4713-4, ČSN 83 4728-1, ČSN 83 4728-2, ČSN 83 4728-3, ČSN 83 4728-4, ČSN 83 4728-5, ČSN 83 4712-1, ČSN 83 4712-2,	Emissions

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Test object
		ČSN 83 4712-3, ČSN 83 4712-4, ČSN 83 4721-1, ČSN 83 4721-2, ČSN 83 4721-3, ČSN 83 4721-4, ČSN 83 4751-3, ČSN 83 4751-4, ČSN 83 4751-6, ČSN 83 5711, ČSN EN 1911, ČSN EN 16429, ČSN EN ISO 6878, ČSN ISO 4221, ČSN ISO 6439, ČSN ISO 7150-1, ČSN ISO 8756, ČSN ISO 10359-1, ČSN ISO 10359-2, ČSN ISO 11083, ČSN P CEN/TS 17340, Merck manual)	
13*	Determination of methane (CH ₄) and carbon dioxide (CO ₂), and sum of hydrocarbons expressed as (C _x H _y) by use of IR analyzers and PID detectors	SOP No. E16 (Geotech comp. manual, RS Dynamics comp. manual)	Soil air, gaseous mixtures
14*	Determination of mass concentration of gaseous pollutants by automatic analyzers with chemiluminescence detection (NO/NO ₂)	SOP No. E1, procedure B (ČSN EN 14792)	Emissions
15*	Determination of methane (CH ₄), carbon dioxide (CO ₂), sulfane (H ₂ S) and ammonia (NH ₃) by use of IR analyzer and electrochemical cells	SOP No. E18 Geotech manual, RS Dynamics manual)	Soil air, gaseous mixtures, dump gases, gases from composting process
16*	Quality assurance of automated measuring systems	SOP No. E19 (ČSN EN 14181:2016, c1.8 (AST))	Automated measuring systems for emission measurement

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17*	Determination of pH by electrochemical method	SOP No. 01 (ČSN ISO 10523, ČSN ISO 10390, ČSN EN 15933)	Waters, aqueous leaches of sludges, soils and wastes
18*	Determination of electrical conductivity by electrochemical method	SOP No. 02 (ČSN EN 27888, ČSN P CEN/TS 15937)	Waters, aqueous leaches of sludges, soils and wastes
19*	Determination of oxidation-reduction potential (ORP) by electrochemical method	SOP No. 66 (ČSN 75 7367)	Drinking, surface and ground waters
20*	Determination of dissolved oxygen by electrochemical probe method	SOP No. 51 (ČSN EN ISO 5814)	Drinking, surface and groundwaters
21*	Determination of turbidity by nephelometric method	SOP No. 63 (ČSN EN ISO 7027-1)	Drinking, surface and groundwaters
22*	Determination of temperature	SOP No. 65 (ČSN 75 7342)	Drinking, surface, groundwaters waste water
23	Determination of dry matter and water content by the gravimetric method	SOP No. 28 (ČSN 72 0102, ČSN ISO 11465, ČSN EN ISO 17892-1, ČSN EN 15934)	Wastes, soils, grounds, sediments and sludges
24	Determination of ash and the loss on ignition by gravimetry	SOP No. 48 (ČSN EN 15935, ČSN EN ISO 18122)	Wastes, soils, grounds, sediments, sludges and biofuels
25	Determination of orthophosphates (PO ₄ ³⁻) and total phosphorus (P _{tot.}) by the spectrometric method and determination of P ₂ O ₅ by calculation from the measured values	SOP No. 16 (ČSN EN ISO 6878)	Waters and aqueous leaches
26	Determination of selected volatile organic compound (VOC) ⁷ by the method of gas chromatography with the FID and MS detector and sum of VOC by calculation from the measured values	SOP No. 34, procedure A (ČSN EN ISO 10301, ČSN EN ISO 17943, ČSN ISO 11423-1)	Waters

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27	Determination of selected volatile organic compound (VOC) ⁷ by the method of gas chromatography with the FID and MS detector and sum of VOC by calculation from the measured values	SOP No. 34, procedure B (ČSN EN ISO 15009, ČSN EN ISO 22155)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials
28	Determination of selected chlorinated pesticides (OCP) ³ by the method of gas chromatography with the MS detection	SOP No. 33, procedure A (ČSN EN ISO 6468, ČSN P ISO/TS 28581, CSN EN 16693)	Waters
29	Determination of selected chlorinated pesticides (OCP) ³ by the method of gas chromatography with the MS detection	SOP No. 33, procedure B (ČSN EN ISO 14181 ČSN EN 15741, DIN ISO 10382)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials
30	Determination of selected congeners of PCB ⁴ by the method of gas chromatography with the MS detection and sum of PCB by calculation from the measured values	SOP No. 21, procedure A (ČSN EN ISO 6468, ČSN P ISO/TS 28581)	Waters
31	Determination of selected congeners of PCB ⁴ by the method of gas chromatography with the MS detection and sum of PCB by calculation from the measured values	SOP No. 21, procedure B (ČSN EN 17322 DIN ISO 10382)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials
32	Determination of hydrocarbons content in the range C ₁₀ to C ₄₀ by the method of gas chromatography with the FID detector	SOP No. 19, procedure A (ČSN EN ISO 9377-2)	Waters
33	Determination of hydrocarbons content in the range C ₁₀ to C ₄₀ by the method of gas chromatography with the FID detector	SOP No. 19, procedure B (ČSN EN 14039, ČSN EN ISO 16703)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Test object
34	Determination of PAH ⁶ by the method of gas chromatography with the MS detection and sum of PAH by calculation from the measured values	SOP No. 20, procedure A (ČSN EN 16691, ČSN ISO 28540, ČSN P ISO/TS 28581)	Waters
35	Determination of PAH ⁶ by the method of gas chromatography with the MS detection and a sum of PAH by calculation from the measured values	SOP No. 20, procedure B (ČSN EN 16181:2018, ČSN P CEN/TS 16645, ISO 18287)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials
36.	Determination of content the mercury (Hg) by use of the TMA-254 instrument, the spectrometric method	SOP No. 25 (ČSN 75 7440, ČSN EN 13211)	Wastes, sediments, sludges, grounds, soils, waters, solutions from absorption, aqueous leaches and sorbents
37	Determination of Non-Polar Extractable matters (NEL) and Extractable substances (EL) by IR spectrometry	SOP No. 18, procedure A (ČSN 75 7505:1998, ČSN 75 7506:2002)	Waters aqueous leaches
38	Determination of Non-Polar Extractable matters (NEL) and Extractable substances (EL) by IR spectrometry	SOP No. 18, procedure B (ČSN 75 7505:1998, ČSN 75 7506:2002)	Wastes, sludges, grounds, soils, and sorbents from sampling
39	Determination of total organic carbon (TOC), dissolved organic carbon(DOC) and total inorganic carbon (TIC) by the combustion spectrometric method	SOP No. 30, procedure A (ČSN EN 1484, ČSN EN ISO 20236, ELEMENTAR manual)	Waters and aqueous leaches
40	Determination of total carbon (TC) and total organic carbon (TOC), the combustion spectrometric method and determination inorganic carbon and carbonates by calculation from the measured values	SOP No. 30, procedure B (ČSN EN 15936, ELEMENTAR manual)	Wastes, sediments, sludges, soils, grounds and construction materials

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Test object
41	Determination of the total bound nitrogen (TNb), by the combustion method with the chemiluminescence detector	SOP No. 14, procedure A (ČSN EN 20236, ELEMENTAR manual)	Waters, and aqueous leaches
42	Determination of the total bound nitrogen (TNb), by the combustion method with the chemiluminescence detector	SOP No. 14, procedure B (ELEMENTAR manual)	Wastes, sediments, sludges, soils, grounds and construction materials
43	Determination of dissolved substances dried at 105°C (TDS-dry) and annealed at 550°C (TDS-annealed) by the gravimetric method	SOP No. 06, procedure A and B (ČSN 75 7346)	Waters and aqueous leaches
44	Determination of dissolved inorganic salts (DIS) by the gravimetric method	SOP No. 06, procedure C (ČSN 75 7347)	Waste waters
45	Determination of suspended solids (TSS) by the gravimetric method	SOP No. 05 (ČSN EN 872)	Waters
46	Determination of ammonium ions (NH ₄ ⁺) the spectrometric method and ammonia nitrogen (N-NH ₄ ⁺) and inorganic nitrogen (N _{inorg}) by calculation from the measured values	SOP No. 11 (ČSN ISO 7150-1)	Waters, aqueous leaches and absorption solutions from sampling
47	Determination of hexavalent chromium (Cr ^{VI}), photometric method with the use of Merck commercial analytic set	SOP No. 37 (Merck manual)	Waters, aqueous leaches and absorption solutions from sampling
48	Determination of phenols index by the spectrophotometric method with 4-aminoantipyrine after distillation	SOP No. 24, procedure A (ČSN ISO 6439)	Waters, aqueous leaches and absorption solutions from sampling
49	Determination of phenols index by the spectrophotometric method with 4-aminoantipyrine after distillation	SOP No. 24, procedure B (ČSN ISO 6439)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling and construction materials

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50	Determination of anionic surfactants, spectrophotopetrically by the methylene blue	SOP No. 23 (ČSN EN 903)	Waters and aqueous leaches
51	Determination of chemical oxygen demand by dichromate by the titration method, (COD _{Cr})	SOP No. 03 (ČSN ISO 6060)	Waste waters and surface waters
52	Determination of nitrates (NO ₃ ⁻) and nitrate nitrogen (N-NO ₃ ⁻) by calculation from the measured values, spectrophotometric method	SOP No. 09 (ČSN ISO 7890-3)	Waters and aqueous leaches
53	Determination of nitrites (NO ₂ ⁻) and nitrite nitrogen N-(NO ₂ ⁻) by calculation from the measured values, manual spectrophotometric method	SOP No. 10 (ČSN EN 26777)	Waters and aqueous leaches
54	Determination of chlorides (Cl ⁻) by the silver nitrate titration with the chromate indicator, Mohr's method	SOP No. 07 (ČSN ISO 9297)	Waters, aqueous leaches and absorption solutions from sampling
55	Determination of sulphates (SO ₄ ²⁻) by the gravimetric method	SOP No. 08 (ČSN ISO 9280:1995)	Waters, aqueous leaches and absorption solutions from sampling
56	Determination of fluorides (F ⁻) electrochemically (ISE)	SOP No. 17 (ČSN ISO 10359-1, ČSN ISO 10359-2)	Waters, aqueous leaches and absorption solutions from sampling
57	Determination of biochemical oxygen demand after n days (BOD _n) by electrochemical method	SOP No. 04 (ČSN EN ISO 5815-1, ČSN EN 1899-2)	Waste waters, surface waters and groundwaters
58	Determination of base neutralizing capacity (BNC) – acidity by titration	SOP No. 88 (ČSN 75 7372)	Waters and aqueous leaches

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59	Determination of acidic neutralizing capacity (ANC) - alkalinity by titration and determination hydrocarbonates, carbonates and carbon dioxide forms by calculation from the measured values	SOP No. 36 (ČSN 75 7373, ČSN EN ISO 9963-1 ČSN EN ISO 9963-2)	Waters and aqueous leaches
60	Determination of colour by spectrophotometry (standard methods B and C)	SOP No. 67 (ČSN EN ISO 7887, cl. 5, method B, cl. C)	Waters
61	Determination of total and easily liberatable cyanides (CN ⁻) by the photometric method with use of the Merck commercial analytical set	SOP No. 15 (Merck manual)	Waters, aqueous leaches and absorption solutions from sampling
62*	Determination of free and total chlorine by spectrophotometry (DPD)	SOP No. 68 (ČSN EN ISO 7393-2)	Drinking waters and raw waters
63*	Sensory analysis – preliminary determination of odour and flavour	SOP No. 12 (ČSN 75 7340)	Drinking waters and raw waters
64	Determination of aggressive carbon dioxide content (CO ₂) in water by calculation	SOP No. 22 (ČSN EN 13577)	Groundwaters
65	Screening of C ₁₀ to C ₄₀ hydrocarbons by gas chromatography with mass detection and determination of biomarker indices	SOP No. 57 (patent of Dekonta, a.s. 302 508)	Wastes, sediments, sludges, soils, grounds and construction materials
66	Determination of chemical oxygen demand with permanganate (COD _{Mn}) by titration	SOP No. 69 (ČSN EN ISO 8467)	Drinking waters, raw waters and groundwaters

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67	Determination of elements ⁵ by ICP-OES method and a stoichiometric calculation content of substances from the measured values, including calculation total inorganic dissolved solid and calculation of sum of Ca and Mg	SOP No. 71, procedure A (ČSN 75 7358, ČSN EN ISO 15587-1, ČSN EN ISO 15587-2, ČSN EN ISO 11885, EPA method 200.7, Spectro manual and application sheets)	Waters, aqueous leaches and absorption solutions from sampling
68	Determination of elements ⁵ by ICP-OES method and a stoichiometric calculation content of substances from the measured values and determination of Cr(III+) by calculation from the measured values	SOP No. 71, procedure B (ČSN EN 13656, ČSN EN 13657, ČSN EN 14385, ČSN EN 14902, ČSN EN 15410, ČSN EN 16173, ČSN EN ISO 11885, ČSN EN ISO 16967, ČSN EN ISO 16968, ČSN EN ISO 16994, ČSN EN ISO 54321, EPA method 29, EPA method 200.7, Spectro manual and application sheets)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling, fuels, construction materials and biological materials
69	Identification of organic compounds by gas chromatography and mass spectrometry	SOP No. 53 (ČSN EN ISO 21253-1, ČSN EN ISO 22892)	Wastes, sediments, sludges, soils, grounds, sorbents from sampling, gasses, liquid samples and waters
70	Determination of dry residues by gravimetric method and water content by calculation from the measured values	SOP No. 73 (ČSN EN 12880)	Sludges and waters
71	Determination of chloride (Cl ⁻) by potentiometric titration	SOP No. 74, procedure A (ČSN 83 0530-20:1980, ČSN EN 1911)	Waters, aqueous leaches and absorption solutions from sampling
72	Determination of chloride (Cl ⁻) by potentiometric titration	SOP No. 74, procedure B (ČSN EN 480-10)	Wastes, sediments, sludges, soils, grounds and construction materials
73	Determination of absorbance at wavelength 254 nm by spectrophotometry	SOP No. 75 (ČSN 75 7360)	Waters and aqueous leaches

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74*	Identification by mobile Raman spectrometer	SOP No. 81 (Ahura manual)	Solid, liquid and gels
75*	Screening analysis of elements ⁹⁾ by mobile XRF spectrometer	SOP No. 76 (ČSN EN 16424, ČSN EN ISO 13196)	Wastes, sediments, sludges, soils, grounds, construction materials, native materials and liquid samples
76	Determination of humic substances by spectrophotometry	SOP No. 77 (ČSN 75 7536)	Waters
77	Determination of extractive substances, fats and oils by gravimetric method	SOP No. 78A (ČSN 75 7509)	Waste and surface waters
78	Determination of water by the method according to Karl Fischer	SOP No. 72 (CSN ISO 760, CSN EN ISO 8534)	Petroleum products, oils and organic solvents
79*	Determination of dissolved oxygen by optical sensors	SOP No. 79 (ČSN ISO 17289)	Drinking, surface a ground waters
80	Determination of impurities and stones by gravimetry	SOP No. 79 (ČSN 46 5735, ČSN P CEN/TS 16202)	Sludges, composts, treated biowastes, oils and grounds
81	Determination of mechanical impurities by gravimetry after filtration	SOP No. 82 (CSN 65 6080)	Petroleum products, oils and organic solvents
82	Determination of chlorides (Cl ⁻) by discrete spectrophotometry	SOP No. 83 (US EPA 325.1)	Waters, aqueous leaches and absorption solutions from sampling
83	Determination of sulphates (SO ₄ ²⁻) turbidimetric by discrete spectrophotometry and determination of sulphates sulphur by calculation from the measured values	SOP No. 84 (US EPA 375.4)	Waters, aqueous leaches and absorption solutions from sampling
84	Determination of divalent Iron (Fe ²⁺) by discrete spectrophotometry	SOP No. 49 (CSN ISO 6332)	Waters, aqueous leaches and absorption solutions from sampling

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85	Determination of ammoniac ions (NH ₄ ⁺), nitrites nitrogen (N-NO ₂ ⁺) and sum of nitrites and nitrates nitrogen by discrete spectrophotometry and ammonium, inorganic, organic, total nitrogen and free ammonium by calculation from the measured values	SOP No. 86 (CSN ISO 7150-1, CSN EN ISO 13395, Standard method 4500-NO ₃ H, Standard method 4500-NO ₂ B),	Waters, aqueous leaches and absorption solutions from sampling
86	Determination of hexavalent chromium (Cr ⁶⁺) by discrete spectrophotometry	SOP No. 86 (CSN ISO 11083, US EPA 7196A)	Waters, aqueous leaches and absorption solutions from sampling
87	Determination of orthophosphates (PO ₄ ³⁻) and total phosphates phosphorus (P- PO ₄ ³⁻) by discrete spectrophotometry and by calculation from the measured values	SOP No. 87, procedure A CSN EN ISO 6878, Standard methods 4500-PE)	Waters and aqueous leaches
88	Determination of total phosphorus (P _{TOT}) by discrete spectrophotometry and determination of phosphorus as P ₂ O ₅ an PO ₄ ³⁻ by calculation from the measured values	SOP No. 87, procedure B CSN EN ISO 6878, Standard methods 4500-PE)	Waters, aqueous leaches and absorption solutions from sampling
89	Determination of gross calorific value by calorimetric method and determination of net calorific value by calculation from measured values	SOP No. 92, procedure A (ČSN DIN 51900-1, ČSN DIN 51900-3)	Liquid fuels, oils and liquid wastes
90	Determination of gross calorific value by calorimetric method and net calorific value by calculation from measured values	SOP No. 92, procedure B (ČSN ISO 1928, ČSN EN ISO 18125, ČSN EN 15170, ČSN DIN 51900-1, ČSN DIN 51900-3)	Solid fossil fuels, solid biofuels, solid alternative fuels, waste and sludge

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91	Determination of chlorine content, by calculation from the measured values after prior combustion of the sample and determination of chloride (Cl ⁻) by discrete spectrophotometry	SOP No. 97, Procedure A1 (ČSN EN ISO 16994, US EPA 325.1)	Liquid fuels, oils and liquid wastes
92	Determination of fluoride content, by calculation from the measured values after prior combustion of the sample and determination of fluoride (F ⁻) electrochemically (ISE)	SOP No. 97, Procedure A2 (ČSN EN ISO 16994, ČSN ISO 10359-1)	Liquid fuels, oils and liquid wastes
93	Determination of sulphur content by calculation from measured values after prior combustion of the sample and determination of sulphate (SO ₄ ²⁻) by turbidimetry using discrete spectrophotometry	SOP No. 97, Procedure A3 (ČSN EN ISO 16994, US EPA 375.4)	Liquid fuels, oils and liquid wastes
94	Determination of chlorine content, by calculation from the measured values after prior combustion of the sample and determination of chloride (Cl ⁻) by discrete spectrophotometry	SOP No. 97, Procedure B1 (ČSN EN 14582, ČSN EN 15408, US EPA 325.1)	Solid fossil fuels, solid biofuels, solid alternative fuels, waste and sludge
95	Determination of fluoride content, by calculation from the measured values after prior combustion of the sample and determination of fluoride (F ⁻) electrochemically (ISE)	SOP No. 97, Procedure B2 (ČSN EN 14582, ČSN EN 15408, ČSN ISO 10359-1)	Solid fossil fuels, solid biofuels, solid alternative fuels, waste and sludge
96	Determination of sulphur content by calculation from measured values after prior combustion of the sample and determination of sulphate (SO ₄ ²⁻) by turbidimetry using discrete spectrophotometry	SOP No. 97, Procedure B3 (ČSN EN 14582, ČSN EN 15408, US EPA 375.4)	Solid fossil fuels, solid biofuels, solid alternative fuels, waste and sludge

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97	Determination of absorbable organically bound halogens (AOX) by coulometry	SOP No. 93, procedure A (ČSN EN ISO 9562)	Water and aqueous extracts
98	Determination of extractable organically bound halogens (EOX) by coulometry.	SOP No. 94, procedure B (ČSN EN 16179, EPA Method 9023)	Waste, sediments, sludge, soils and construction materials
99	Determination of total halogens (TX) by coulometry	SOP No. 95 (EPA Method 9076)	Wastes, sediments, sludge, soils, construction materials, liquid fuels, oils, solvents and liquid wastes

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 OCP – Chlorinated pesticides – hexachlorobenzene, alpha, beta, gamma, delta, epsilon hexachlorocyclohexane, 1,2,3-trichlorobenzene, 1,2,3-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, pentachlorobenzene. Aldrin, Dieldrin, Isodrin, cis-heptachloroepoxide, trans-heptachloroepoxide, alpha-endosulfan, beta-endosulfan, endosulfan sulfate, o, p'-DDE, p, p'-DDE, o, p'-DDD, p, p'-DDD, o, p'-DDD, p, p'-DDD, o, p'-DDD, p, p'-DDD, methoxychlor, cis-chlordane, trans-chlordane, Mirex, Endrin, heptachlor

⁴ PCB – polychlorinated biphenyls – congener number 28, 52, 101, 118, 138, 153, 180

⁵ Elements: Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Dy, Er, Eu, Fe, Gd, Hg, Ho, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Tb, Ti, Tl, Tm, U, V, Y, Yb, Zn.

⁶ PAU(PAH) – polycyclic aromatic hydrocarbons – naphthalene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, chrysene, indeno(1,2,3-c,d)pyrene, acenaphthene, acenaphthylene

⁷ TOL (VOC) – volatile organic compounds -1,1-dichloroethane, 1,2-dichloroethane, vinyl chloride, 1,1-dichloroethene, c-1,2-dichloroethene, t-1,2-dichloroethene, trichloroethene, tetrachloroethene, benzene, toluene, ethylbenzene, o-, m-, p-xylene, styrene, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, methyltercbutylether (MTBE)

⁸ The laboratory ensures the determination of analytes at an external supplier

⁹ Elements: Ag, As, Bi, C a, Cd, Cl, Co, Cr, Cu, Fe, Hg, K, Mn, Mo, Ni, P, Pb, Rb, S, Se, Sn, Sr, Ti, V, W, Zn, Zr

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
7, 8, 12, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 39, 40, 65, 67, 68

The Laboratory is allowed to modify the examination procedures listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the examinations not included in the Annex.

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

Dekonta, a.s.
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Podhoří 328/28, 400 10 Ústí nad Labem

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1	Sampling of groundwater by static and dynamic ways	SOP No. 40 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO EN 5667-14, ČSN ISO EN 5667-16, ČSN EN ISO 19458, ČSN EN ISO 22475-1, ČSN ISO 5667-11)	Groundwater
2	Sampling of waste	SOP No. 41 (ČSN 01 5112, ČSN 01 5111, ČSN EN 14899, ČSN EN 16457, ČSN EN 12579 ČSN EN 60475, ČSN EN ISO 5667-14, ČSN EN ISO 21645 TNI CEN/TR 15310-1, TNI CEN/TR 15310-2, TNI CEN/TR 15310-3, TNI CEN/TR 15310-4, TNI CEN/TR 15310-5)	Wastes, biowastes, composts and fugates
3	Sampling of drinking and raw waters intended for production of drinking water	SOP No. 42 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-16, ČSN EN ISO 19458, ČSN ISO 5667-5)	Drinking and raw water
4	Sampling of surface waters and waters intended for bathing	SOP No. 43 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14, ČSN EN ISO 5667-16, ČSN EN ISO 19458, ČSN ISO 5667-4, ČSN ISO 5667-7, ČSN ISO 5667-8, Decree 238/2011 Coll.)	Surface waters and waters for bathing (surface streams and ponds in free nature)
5	Sampling of waste water by manual way and by automatic samplers	SOP No. 46 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-14, ČSN ISO 5667-10)	Waste waters

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Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
6	Sampling of grounds and soils	SOP No. 44 (ČSN 01 5110, ČSN 01 5111, ČSN EN 14899, TNI CEN/TR 15310-1, TNI CEN/TR 15310-2, TNI CEN/TR 15310-3, TNI CEN/TR 15310-4, TNI CEN/TR 15310-5)	Grounds and soils
7	Sampling of sediments, sludges and suspended sediments	SOP No. 47 (ČSN 01 5110, ČSN 01 5111, ČSN EN 14899, 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, ČSN EN ISO 5667-16, ČSN EN ISO 5667-19, ČSN ISO 5667-12, ČSN ISO 5667-17)	Sediments, sludges and suspended sediments
8	Sampling of gases and vapours into sampling bags	SOP No. VE3, procedure B (ČSN EN 14662-1, ČSN EN ISO 16017-1)	Ambient air, indoor air and soil air
9	Sampling of pollutants by catchment onto a solid sorbent	SOP No. VE4, procedure B (ČSN EN 14662-1, ČSN EN ISO 16017-1, ČSN P CEN/TS 13649)	Ambient air, indoor air and soil air
10	Sampling for determination of gaseous and total Hg	SOP No. VE6, procedure B (ČSN EN 13211, ČSN EN 15852, ČSN EN 15853, ČSN EN ISO 21832)	Ambient air, indoor air and soil air
11	Sampling for determination of persistent organic substances (PCCD/PCDF, PCB and PAH) – isokinetic sampling with automatic control, filtration and condensation method	SOP No. VE1A (ČSN EN 1948-1)	Emissions

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Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
12	Sampling of gases and vapours by absorption to liquid (gas inorganic compounds chlorine and fluorine, ammonia, sulfane, chromium (VI+), mineral acids and bases, oxides of sulphur and sulphuric acid, hydrogen cyanide and cyanides, phenol and phenol compounds, oxides of nitrogen, phosphorus and its compounds)	SOP No. VE2, procedure A (ČSN 83 4711-1, ČSN 83 4711-2, ČSN 83 4712-1, ČSN 83 4712-2, ČSN 83 4721-1, ČSN 83 4721-2, ČSN 83 4728-1, ČSN 83 4728-2, ČSN EN 1911, EPA method 16A, EPA method 0061, F. Skácel a V. Tekáč, Měření emisí, V. Křižan a kol., Analýza ovzduší, 1981)	Emissions
13	Sampling of gases and vapours into sampling bags	SOP No. VE3, procedure A (ČSN P CEN/TS 13649)	Emissions
14	Sampling of volatile organic substances (VOC) by catchment onto a solid sorbent	SOP No. VE4, procedure A (ČSN P CEN/TS 13649)	Emissions
15	Sampling for the determination of solid pollutants and its PM10 and PM2.5 fractions	SOP No. VE5 (ČSN EN 13248-1, ČSN EN ISO 23210)	Emissions
16	Sampling for determination of metals (As, Cd, Be, Cr, Co, Ni, Tl, Se, Te, Sb, Sn, Mn, Cu, Pb, V, Zn, Al, Hg), isokinetically by absorption to liquid (isokinetic sampling with automatic control and isokinetic sampling with manual control)	SOP No. VE6, procedure A (ČSN EN 13211, ČSN EN 14385, ČSN EN 14902, ČSN EN 15841, EPA method 29)	Emissions
17	Sampling for gravimetric determination of suspended particle matters in air and its mass fractions PM10 and PM2.5	SOP No. VE7 (ČSN EN 12341)	Ambient air
18	Sampling for determination of numerical concentration of asbestos and minerals fibers	SOP No. VE8 (ČSN EN ISO 16000-7)	Ambient air and indoor air

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- 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)

Explanatory notes and abbreviations:

Biological materials - All materials of biological origin except human tissue samples

DOC - Dissolved Organic Carbon, total

DPD - N, N-Diethyl-1,4-phenylenediamine sulfate

ED-XRF - Energy Dispersive X-Ray Fluorescence

EL - Extractable substances

Emission - Waste gas containing pollutants released in a controlled manner or leaking into atmosphere from stationary sources of pollution.

FID - Flame Ionization Detector

FNI - Phenol Index

ICP-OES - Inductively Coupled Plasma Optical Emission Spectrometry

ISE - Ion Selective Electrode

MS - Mass spectrometer or mass detector

NEL - Nonpolar Extractives

Waste - Liquid and solid wastes

PAH - Polycyclic aromatic hydrocarbons

PCB - Polychlorinated biphenyls

PCDD - Polychlorinated dibenzodioxins

PCDF - Polychlorinated dibenzofurans

Gaseous mixtures - Gases flowing in pipelines or stored in storage tanks

PM₁₀ - Particles from which a measuring device is 50% likely to separate particles with an aerodynamic diameter of 10 μm

PM_{2,5} - Particles from which the measuring equipment is 50% likely to separate particles with an aerodynamic diameter of 2,5 μm

SOP - Standard Operating Procedure

TN_b - Total bound nitrogen

TOC - Total Organic Carbon

VOC - Volatile Organic Compounds

Outdoor air - The air outside buildings to which people, plants, animals or materials are exposed

Indoor air - Air inside an enclosed space, such as public or residential buildings

Water - Drinking, raw, surface, ground and waste water