



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 610/2017

ALS Czech Republic, s.r.o.
with registered office Na Harfě 336/9, 190 00 Praha 9 - Vysočany, Company Registration
No. 27407551

to the Testing Laboratory No. 1163

Scope of accreditation:

Chemical, radiochemical and microbiological analyses of water, water extracts, liquids, soils, waste, sludge, oils, sediments, rocks, solid samples, emissions, immissions, working environment, gases from biogas stations and landfill gases, biological materials, food, feedstuffs, lubricants, fuels, ecotoxicological testing of waste and water, sensory analyses of food; sampling of water, sediments, soils, food and working environment to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2005

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 128/2017 of 28. 2. 2017, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **28. 2. 2022**

Prague: 16. 10. 2017




Jiří Růžička
Director
Czech Accreditation Institute
Public Service Company

Entity accredited as per ČSN EN ISO/IEC 17025:2005:

ALS Czech Republic, s.r.o.
Na Harfě 336/9, 190 00 Prague 9

Testing Laboratory's Workplaces:

Ordinal No.	Workplace	Address
1	Prague	Na Harfě 336/9, 190 00 Prague 9
2	Česká Lípa	Bendlova 1687/7, 470 01 Česká Lípa
3	Pardubice	V Ráji 906, 530 02 Pardubice
10	Prague	Na Harfě 916/9a, 190 00 Prague 9

Contact and Sampling Points:

4	Brno	Staňkova 103/18, 602 00 Brno
5	Ostrava	Vratimovská 11, 718 00 Ostrava
6	Plzeň	Lobezská 15, 301 46 Plzeň [Pilsen]
7	Lovosice	U Zdymadel 827, 410 02 Lovosice
8	Rožnov pod Radhoštěm	1. Máje 2625, 756 61 Rožnov pod Radhoštěm
9	Kroměříž	Na Sádkách 3478/4a, 767 01 Kroměříž

The laboratory meets the requirements for periodic emission measurements as per ČSN P CEN/TS 15675:2009 for testing and collecting samples marked with ordinal number and symbol E.

Tests:

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

The current list of own activities conducted within the flexible range are available at the Laboratory from the Quality Manager.

The laboratory is qualified to provide expert opinions and interpretations of test results.

Tests: GENERAL CHEMISTRY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.1 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵¹⁾ including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, ČSN EN16192, US EPA 6010, SM 3120, ČSN 75 7358 samples prepared as per CZ_SOP_D06_02_J02 chap.10.1 and 10.2)	Water, extracts, liquid samples
1.2 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵²⁾	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, ČSN EN 13657, ISO 11466) chap.10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14)	Solid samples
1.3 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵³⁾	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, samples prepared as per CZ_SOP_D06_02_J02 chap.10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8.)	Food, feed

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.4 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵³⁾	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, samples prepared as per CZ_SOP_D06_02_J02 chap.10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8)	Biological material
E1.5 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma and determination of Cr ³⁺ by calculation from measured values	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, ČSN EN 13211, ČSN EN 14385, ČSN EN 14902, IO 3.4, US EPA 29, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1, 10.2, 10.16.1 - 10.16.4)	Emission, imission
1.6 ¹⁾	Determination of elements ⁴⁷⁾ by atomic emission spectrometry with inductively coupled plasma	CZ_SOP_D06_02_001 (US EPA 200.7, ISO 11885, ČL/PhEur/USP, sample preparation as per CZ_SOP_D06_02_J02 kap.10.20)	Pharmaceutical material
1.7 ¹⁾	Determination of elements ⁴¹⁾ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values ⁵¹⁾ including the calculation of total mineralization and calculating the sum of Ca+Mg	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, US EPA 6020A, ČSN EN 16192, ČSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap.10.1, 10.2)	Water, extracts, liquid samples
1.8 ¹⁾	Determination of elements ⁴²⁾ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, US EPA 6020A, samples prepared as per CZ_SOP_D06_02_J02 (ČSN EN 13657, ISO 11466), chap.10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14)	Solid samples
1.9 ¹⁾	Determination of elements ⁴³⁾ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 15111, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8)	Food, feed
1.10 ¹⁾	Determination of elements ⁴⁴⁾ by mass spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8)	Biological material
E1.11 ¹⁾	Determination of elements ⁴⁵⁾ by mass spectrometry with inductively coupled plasma and determination of Cr ³⁺ by calculation from measured values	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 13211, ČSN EN 14385, ČSN EN 14902, US EPA 29, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1, 10.2, 10.16.1 - 10.16.4)	Emission, imission
1.12 ¹⁾	Determination of elements ⁶⁰⁾ by mass spectrometry with inductively coupled plasma	CZ_SOP_D06_02_002 (US EPA 200.8, ČSN EN ISO 17294-2, ČSN EN 15111, ČL/PhEur/USP, samples prepared as per CZ_SOP_D06_02_J02 kap. 10.20)	Pharmaceutical material

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
E1.13 ¹⁾	Determination of Hg by atomic absorption spectrometry	CZ_SOP_D06_02_003 (ČSN 46 5735, ČSN 75 7440, ČL, PhEur, USP, samples prepared as per CZ_SOP_D06_02_J02 (ISO 11466) chap.10.1 to 10.17.14, 10.20)	Water, extracts, liquid samples, solid samples, food, animal feeding stuff, biological material, emission, imission, pharmaceutical material
1.14 ²⁾	Determination of Hg by single-purpose atomic absorption spectrometer	CZ_SOP_D06_07_004 (ČSN 75 7440, ČSN 46 5735, samples prepared as per CZ_SOP_D06_07_P02 chap. 10-13, 16, 20)	Water, extracts, liquid samples, solid samples
1.15 ²⁾	Determination of elements ⁴⁹⁾ by flame AAS method and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_005 (ČSN ISO 8288, ČSN 75 7400, ČSN EN 1233, ČSN EN 16192, ČSN ISO 7980, ČSN ISO 9964, Perkin-Elmer specifications, samples prepared as per CZ_SOP_D06_07_P02 chap. 10, 13, 17)	Water, extracts
1.16 ²⁾	Determination of elements ⁴⁹⁾ by flame AAS method and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_005 (ČSN ISO 8288, ČSN 75 7400, ČSN EN 1233, ČSN ISO 7980, ČSN ISO 9964, Perkin-Elmer specifications, samples prepared as per CZ_SOP_D06_07_P02 chap. 11-12, 14-16, 19)	Solid samples
1.17 ²⁾	Determination of elements ⁵⁰⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_006 (ČSN EN ISO 11885, ČSN EN 16192, AITM3-0032, samples prepared as per CZ_SOP_D06_07_P02 chap. 10, 13, 17)	Water, extracts, liquid samples
1.18 ²⁾	Determination of elements ⁵⁰⁾ by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values	CZ_SOP_D06_07_006 (ČSN EN ISO 11885, ČSN EN 15410, ČSN EN 15411, samples prepared as per CZ_SOP_D06_07_P02 chap. 11-12, 14-16, 19)	Solid samples, solid recovered fuels
1.19 ²⁾	Determination of Kjeldahl nitrogen by spectrophotometry	CZ_SOP_D06_07_007.A (ČSN EN 25663, ČSN ISO 7150-1)	Water, extracts
1.20 ²⁾	Determination of Kjeldahl nitrogen by spectrophotometry	CZ_SOP_D06_07_007.B (ČSN EN 25663, ČSN EN 13342, ČSN ISO 7150-1)	Solid samples
E1.21 ²⁾	Determination of Cr ^{VI} by spectrophotometry with diphenylcarbazine	CZ_SOP_D06_07_008 (ČSN ISO 11083, ČSN EN 16192)	Water, extracts, absorption solutions from emission samples
1.22 ²⁾	Determination of total phosphorus and orthophosphate by spectrophotometry and P ₂ O ₅ determination by calculation from measured values	CZ_SOP_D06_07_009.A (ČSN EN ISO 6878)	Water, extracts
1.23 ²⁾	Determination of total phosphorus by spectrophotometry and P ₂ O ₅ determination by calculation from measured values	CZ_SOP_D06_07_009.B (ČSN EN 14672, ČSN EN ISO 6878)	Sludge, technological sludge products

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.24 ²⁾	Determination of total cyanide by spectrophotometry and determination of complex-forming cyanides by calculation from measure values	CZ_SOP_D06_07_010 (ČSN 75 7415)	Water, extracts
1.25 ²⁾	Determination of easily releasable cyanide (free cyanide) by spectrophotometry	CZ_SOP_D06_07_011 (ČSN ISO 6703-2, ČSN EN 16192)	Water, extracts
1.26 ²⁾	Determination of total cyanide by spectrophotometry and determination of complex-forming cyanides by calculation from measure values	CZ_SOP_D06_07_012.A (ČSN 75 7415, SM 4500 CN)	Solid samples
E _{1.27} ²⁾	Determination of total cyanide by spectrophotometry and hydrogen cyanide determination by calculation from measured values	CZ_SOP_D06_07_012.B (ČSN 75 7415)	Absorption solutions from emission samples
1.28 ²⁾	Determination of easily releasable cyanide (free cyanide) by spectrophotometry	CZ_SOP_D06_07_013 (ČSN ISO 6703-2)	Solid samples
1.29 ²⁾	Determination of nonionic surfactants (BiAS) by spectrophotometry using the HACH cuvette test	CZ_SOP_D06_07_014 (Hach Instructions)	Water, extracts
1.30 ²⁾	Determination of sum of sulfan and sulfide by spectrophotometry and determination of free sulfan by calculation from measured values	CZ_SOP_D06_07_015.A (ČSN 83 0520:1978 č. 16, ČSN 83 0530:1980 č. 31, SM 4500-S ²⁻ D)	Water, extracts
1.31 ²⁾	Determination of sum of sulfan and sulfide by spectrophotometry	CZ_SOP_D06_07_015.B (ČSN 83 0520:1978 č. 16, ČSN 83 0530:1980 č. 31)	Solid samples
E _{1.32} ²⁾	Determination of sum of sulfan and sulfide by spectrophotometry	CZ_SOP_D06_07_015.C (ČSN 83 0520:1978 č. 16, ČSN 83 0530:1980 č. 31, ČSN 83 4712 č. 3)	Absorption solutions from emission samples
1.33 ¹⁾	Determination of sulfate by turbidimetry using discrete spectrophotometry and sulfate sulfur determination by calculation from measured values	CZ_SOP_D06_02_016 (US EPA 375.4, SM 4500-SO ₄ ²⁻)	Water, extracts
1.34 ²⁾	Determination of sulfate by gravimetry	CZ_SOP_D06_07_017 (Uniform Methods of Chemical Analysis of Water, SNTL Prague 1965)	Water, extracts
1.35 ¹⁾	Determination of the number of asbestos and mineral fibers by SEM / EDS	CZ_SOP_D06_02_018 (ISO 14966, except chap. 5, 6.1 and 6.2; VDI 3492, except chap. 5 and 6, Decree No. 6/2003 Coll., GR No. 361/2007 Coll., Annex 3)	Air, working environment, exposed filters
1.36 ¹⁾	Determination of sum of ammonium and ammonium ions, nitrite and the sum of nitrite and nitrate ions by discrete spectrophotometry and determination of nitrite, nitrate, ammonia, inorganic, organic, total nitrogen, free ammonia and dissociated ammonium ions by calculation from measured values including the calculation of total mineralization	CZ_SOP_D06_02_019 (ČSN EN ISO 11732, ČSN EN ISO 13395, ČSN EN 13370, SM 4500-NO ₂ ⁻ , SM 4500-NO ₃ ⁻)	Water, extracts

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1.37 ²⁾	Determination of sum of ammonia and ammonium ions by spectrophotometry and determination of ammonia nitrogen, free ammonia and dissociated ammonium ions by calculation from measured values	CZ_SOP_D06_07_020 (ČSN ISO 7150-1)	Water, extracts
1.38 ²⁾	Determination of nitrite nitrogen by spectrophotometry and determination of nitrite by calculation from measured values	CZ_SOP_D06_07_021 (ČSN EN 26777, ČSN EN 16192)	Water, extracts
1.39 ¹⁾	Determination of orthophosphate by discrete spectrophotometry and determination of orthophosphate's phosphorus by calculation from measured values including the calculation of total mineralization	CZ_SOP_D06_02_022 (ČSN EN ISO 6878, SM 4500-P)	Water, extracts
1.40 ²⁾	Determination of chloride by potentiometric titration	CZ_SOP_D06_07_023.A (ČSN 03 8526:1989, ČSN 83 0530:1980 No. 20, SM 4500-Cl ⁻ D)	Water, extracts, liquid samples
1.41 ²⁾	Determination of chloride by potentiometric titration and determination of NaCl by calculation from measured values	CZ_SOP_D06_07_023.B (ČSN EN 480-10)	Solid samples
1.42 ²⁾	Determination of non-ionic surfactants (BiAS) by spectrophotometry	CZ_SOP_D06_07_024 (ČSN ISO 7875-2)	Water, extracts
1.43 ²⁾	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.A (DIN 38409-H8, DIN 38414-S17)	Water, extracts
1.44 ²⁾	Determination of extractable organically bound halogens (EOX) by coulometry	CZ_SOP_D06_07_025.B (DIN 38409-H8, DIN 38414-S17)	Solid samples
1.45 ²⁾	Determination of adsorbable organically bound halogens (AOX) by coulometry	CZ_SOP_D06_07_026 (ČSN EN 16166, DIN 38414-S18)	Solid samples
1.46 ²⁾	Determination of total halogens (TX) by coulometry	CZ_SOP_D06_07_027 (US EPA Method 9076)	Solid samples, oils, organic solvents
1.47 ²⁾	Determination of adsorbable organically bound halogens (AOX) by coulometry	(CZ_SOP_D06_07_028) (ČSN EN ISO 9562, TNI 757531, ČSN EN 16192)	Water, extracts
1.48 ²⁾	Determination of phenol index by spectrophotometric method after distillation	CZ_SOP_D06_07_029 (ČSN ISO 6439)	Solid samples
^E 1.49 ²⁾	Determination of phenol index by spectrophotometric method after distillation	CZ_SOP_D06_07_030 (ČSN ISO 6439, ČSN EN 16192)	Water, extracts, absorption solutions from emission samples
1.50 ²⁾	Determination of anionic surfactants by measurement of the methylene blue index (MBAS) by spectrophotometry	CZ_SOP_D06_07_031 (ČSN EN 903, SM 5540 C)	Water, extracts
1.51 ²⁾	Determination of absorbance and transmittance by spectrophotometry	CZ_SOP_D06_07_032 (ČSN 75 7360)	Water, extracts
1.52* ^{1) 2)} ⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Determination of turbidity by measurement of intensity of scattered radiation	CZ_SOP_D06_07_033 (ČSN EN ISO 7027)	Water, extracts

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.53 ²⁾	Determination of humic substances by spectrophotometry	CZ_SOP_D06_07_034 (ČSN 75 7536)	Drinking, surface water
1.54 ²⁾	Determination of water colour by visual and spectrophotometric method	CZ_SOP_D06_07_035 (ČSN EN ISO 7887)	Water, extracts
1.55 ²⁾	Determination of electrical conductivity	CZ_SOP_D06_07_036 (ČSN EN 27888, ČSN EN 16192)	Water, extracts
1.56 ²⁾	Determination of pH electrochemically	ČSN ISO 10523, ČSN EN 16192	Water, extracts
1.57 ²⁾	Determination of base neutralizing capacity (acidity) by potentiometric titration	CZ_SOP_D06_07_038 (ČSN 75 7372)	Water, extracts
1.58 ²⁾	Determination of acid neutralizing capacity (alkalinity) by potentiometric titration	CZ_SOP_D06_07_039 (ČSN EN ISO 9963-1)	Water, extracts
1.59 ²⁾	Determination of chemical oxygen demand using dichromate (COD _{Cr}) by titration	CZ_SOP_D06_07_040 (ČSN ISO 6060)	Water, extracts
1.60 ²⁾	Biodegradation of organic compounds in aqueous medium – Static test (Zahn-Wellens method) calculated from the measured values of COD _{Cr}	ČSN EN ISO 9888 and OECD 302B , COD _{Cr} determination according to CZ_SOP_D06_07_040 (ČSN ISO 6060)	Chemicals and chemical products, water and waste leachate
1.61 ²⁾	Determination of analytical water and gross water by gravimetry and determination of total water by calculation from measured values	CZ_SOP_D06_07_041 (ČSN 441377, ČSN EN ISO 18134-1, ČSN EN ISO 18134-2, ČSN EN ISO 18134-3 , ČSN P CEN/TS 15414-1, ČSN P CEN/TS 15414-2, ČSN EN 15414-3)	Solid fossil fuels, solid biofuels, solid recovered fuels
1.62 ²⁾	Determination of biochemical oxygen demand electrochemically after n days (BOD _n) - Part 1: Dilution method with addition of allylthiourea	CZ_SOP_D06_07_042 (ČSN EN 1899-1)	Water, extracts
1.63 ²⁾	Biodegradation of organic compounds in aqueous medium – Method for determination of biological oxygen demand electrochemically in a closed bottle calculated from measured values of BOD	ČSN ISO 10707, Z1 and OECD 301D, BOD determination according to CZ_SOP_D06_07_042 (ČSN EN 1899-1)	Chemicals and chemical products, water and waste leachate
1.64 ²⁾	Determination of biochemical oxygen demand electrochemically after n days (BOD _n) - Part 2: Method for undiluted samples	CZ_SOP_D06_07_043 (ČSN EN 1899-2)	Water, extracts
1.65* 1)2)4)5)6)7)8)9)	Determination of dissolved oxygen by electrochemical method	CZ_SOP_D06_07_044 (ČSN EN ISO 5814)	Water, extracts
1.66 ¹⁾	Determination of dry matter by gravimetry and determination of moisture by calculation from measured values	CZ_SOP_D06_01_045 (ČSN ISO 11465, ČSN EN 12880, ČSN EN 14346)	Solid samples
1.67 ²⁾	Determination of dry matter by gravimetry and determination of moisture by calculation from measured values	CZ_SOP_D06_07_046 (ČSN ISO 11465, ČSN EN 12880, ČSN EN 14346, ČSN 46 5735)	Solid samples
1.68 ²⁾	Determination of ash by gravimetry and determination of loss on ignition by calculation from measured values	CZ_SOP_D06_07_047.A (ČSN EN 15169, ČSN EN 15935, ČSN EN 13039, ČSN 72 0103, ČSN 46 5735)	Solid samples

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.69 ²⁾	Determination of ash by gravimetry and determination of loss on ignition by calculation from measured values	CZ_SOP_D06_07_047.B (ČSN EN ISO 3451-1)	Plastics
1.70 ²⁾	Determination of ash by gravimetry and determination of loss on ignition by calculation from measured values	CZ_SOP_D06_07_047.C (ČSN ISO 1171, ČSN EN ISO 18122, ČSN EN 15403, ČSN EN ISO 6245)	Solid and liquid fuels
1.71 ¹⁾	Qualitative determination of asbestos in solid samples by SEM/EDS	CZ_SOP_D06_02_048 (ISO 22262-1, VDI 3866, part 5)	Solid samples (except liquid waste, sediments, biowaste, sludge, technological sludge products), materials for building, building materials
1.72 ²⁾	Received		
1.73 ²⁾	Determination of water content by Karl Fischer method	CZ_SOP_D06_07_050 (ČSN ISO 760)	Liquid samples, solid samples
1.74 ²⁾	Determination of ignition residue after ignition by gravimetry and determination of loss on ignition by calculation from measured values	ČSN 72 0103	Silicate materials
1.75 ²⁾	Determination of suspended solids, fixed suspended solids, total solids and fixed total solids by gravimetry and determination of volatile suspended solids and volatile total solids by calculation from measured values	CZ_SOP_D06_07_052 (ČSN 75 7350, SM 2540 B, SM 2540 D, SM 2540 E)	Water, extracts
1.76 ²⁾	Determination of suspended solids using glass fibre filters by gravimetry	ČSN EN 872	Water, extracts
1.77 ²⁾	Determination of dissolved solids and fixed dissolved solids using glass fiber filters by gravimetry and determination of volatile dissolved solids by calculation from measured values	CZ_SOP_D06_07_054 (ČSN 75 7346, ČSN 75 7347)	Water, extracts
1.78 ²⁾	Determination of total sulfur (TS), total carbon (TC) and inorganic carbon (TIC) by coulometry and determination of total organic carbon (TOC) and carbonate by calculation from measured values	CZ_SOP_D06_07_055 (ČSN ISO 10694, ČSN EN 13137, ČSN EN 15936)	Solid samples
1.79 ¹⁾	Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total inorganic carbon (TIC) and total carbon (TC) by IR detection	CZ_SOP_D06_02_056 (ČSN EN 1484, ČSN EN 16192, SM 5310)	Water, extracts
1.80 ¹⁾	Determination of nonpolar extractive substances by infrared spectrometry and determination of polar extractive substances by calculation from measured values	CZ_SOP_D06_02_057 (ČSN 75 7505:2006, STN 830540-4, US EPA 418.1, SM 5520 F, DS/R 209, SFS 3010)	Water, extracts

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1.81 ¹⁾	Determination of extractive and non-polar extractive compounds by infrared spectrometry and determination of polar extractive substances by calculation from measured values	CZ_SOP_D06_02_058 (TNV 75 8052, ISO/TR 11046, US EPA 418.1, SM 5520 F, DS/R 209, SFS 3010)	Solid samples
1.82 ¹⁾	Determination of extractive substances by infrared spectrometry and determination of polar extractive substances by calculation from measured values	CZ_SOP_D06_02_059 (ČSN 75 7506, STN83 0520-27.2015, STN 83 0530-36a, STN 83 0540-4, SFS 3010)	Water, extracts
1.83 ¹⁾	Determination of alpha modification of silicon dioxide in respirable dust by infrared spectrometry	CZ_SOP_D06_02_060 (NIOSH 7602)	Dust
1.84* 1)2)4)5)6)7) 8)9)	Field determination of free and total chlorine and chlorine dioxide by DPD method using HACH sets and bound chlorine by calculation from measured values	CZ_SOP_D06_07_061 (method used by HACH COMPANY, USA, ČSN ISO 7393-2)	Drinking water, warm water, raw water
1.85* 1)2)4)5)6)7) 8)9)	Field measurement of temperature	ČSN 75 7342	Water
1.86* 1)2)4)5)6)7) 8)9)	Field measurement of electrical conductivity	CZ_SOP_D06_07_063 (ČSN EN 27888)	Water
1.87* 1)2)4)5)6)7) 8)9)	Field determination of pH electrochemically	CZ_SOP_D06_07_064 (ČSN ISO 10523)	Water
1.88 ¹⁾	Sensory analysis of water – determination of odour and taste	CZ_SOP_D06_04_065 (TNV 75 7340, ČSN EN 1622, STN EN 1622)	Drinking water
1.89	Reserved		
1.90	Reserved		
1.91 ¹⁾	Determination of dissolved fluoride, chloride, nitrite, bromide, nitrate and sulphate by ion liquid chromatography and determination of nitrite nitrogen and nitrate nitrogen and sulfate sulfur by calculation from measured values including the calculation of total mineralization	CZ_SOP_D06_02_068 (ČSN EN ISO 10304-1, ČSN EN 16192)	Water, extracts
1.92 ¹⁾	Determination of total carbon (TC), total organic carbon (TOC) by IR detection and determination of total inorganic carbon (TIC) and carbonate by calculation from measured values	CZ_SOP_D06_02_069 (ČSN EN 13137, ČSN ISO 10694)	Solid samples
1.93 ¹⁾	Determination of dry suspended solids and annealed suspend solids by gravimetry and determination of loss of ignition of suspend solids and total solids by calculation from measured values	CZ_SOP_D06_02_070 (ČSN EN 872, ČSN 757350)	Water, extracts

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.94 ¹⁾	Determination of dissolved solids (RL105) and dissolved solid annealed (RAS) using glass fibre filters by gravimetry and determination of loss on ignition of dissolved solids (RL550) by calculation from measured values	CZ_SOP_D06_02_071 (ČSN 75 7346, ČSN 757347, ČSN EN 16192, ČSN EN 15216)	Water, extracts
1.95 ¹⁾	Determination of acid neutralizing capacity (alkalinity) by potentiometric titration and determination of the carbonate hardness and determination of CO ₂ forms by calculation from measured values including the calculation of total mineralization	CZ_SOP_D06_02_072 (ČSN EN ISO 9963-1, ČSN EN ISO 9963-2, ČSN 75 7373, SM 2320)	Water, extracts
1.96 ¹⁾	Determination of base neutralizing capacity (acidity) by potentiometric titration	CZ_SOP_D06_02_073 (ČSN 75 7372)	Water, extracts
1.97 ¹⁾	Determination of turbidity by optical turbidimeter	CZ_SOP_D06_02_074 (ČSN EN ISO 7027)	Water, extracts
1.98 ¹⁾	Determination of electrical conductivity by conductometer and calculation of salinity	CZ_SOP_D06_02_075 (ČSN EN 27 888, SM 2520 B, ČSN EN 16192)	Water, extracts
1.99 ¹⁾	Determination of chemical oxygen demand using dichromate (COD _{Cr}) by photometry	CZ_SOP_D06_02_076 (ČSN ISO 15705)	Water, extracts
1.100 ¹⁾	Determination of chemical oxygen demand using dichromate (COD _{Cr}) by titration	CZ_SOP_D06_02_076.A (ČSN ISO 15705)	Water, extracts
1.101 ¹⁾	Determination of biochemical oxygen demand after n days (BOD _n) by dilution method with allylthiourea addition	CZ_SOP_D06_02_077 (ČSN EN 1899-1)	Water, extracts
1.102 ¹⁾	Determination of biochemical oxygen demand after n days (BOD _n) by method for undiluted samples	CZ_SOP_D06_02_078 (ČSN EN 1899-2)	Water, extracts
1.103 ¹⁾	Determination of colour by spectrometry	CZ_SOP_D06_02_079 (ČSN EN ISO 7887)	Water, extracts
1.104 ¹⁾	Determination of total phosphorus by discrete spectrophotometry and determination of phosphorus as P ₂ O ₅ a PO ₄ ³⁻ by calculation from measured values	CZ_SOP_D06_02_080 (ČSN EN ISO 6878, ČSN EN ISO 15681-1)	Water, extracts
1.105	Reserved		
^E 1.106 ²⁾	Determination of chloride in absorption solution from emission sample of inorganic compounds of chlorine by potentiometric titration and hydrogen chloride determination by calculation from measured values	CZ_SOP_D06_07_082 (ČSN EN 1911)	Absorption solutions from emission sampling
^E 1.107 ²⁾	Determination of fluoride in absorption solution from emission sample of inorganic compounds of fluorine after separation by distillation by direct potentiometry and hydrogen fluoride determination by calculation from measured values	CZ_SOP_D06_07_083 (ČSN 83 4752, Part 3)	Absorption solutions from emission sampling

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
E _{1.108} ²⁾	Determination of sulfate in absorption solution from emission sample of sulfur dioxide by titration method and sulfur dioxide determination by calculation from measured values	CZ_SOP_D06_07_084 (ČSN EN 14791)	Absorption solutions from emission sampling
E _{1.109} ²⁾	Determination of ammonia in absorption solution from emission sample by photometry after distillation	CZ_SOP_D06_07_085 (ČSN 83 4728, Part 4)	Absorption solutions from emission sampling
1.110	Reserved		
1.111 ²⁾	Determination of pH, temperature and electrical conductivity by column test	CZ_SOP_D06_07_087 (ČSN PCEN/TS 14405, ČSN ISO 10523, ČSN 75 7342, ČSN EN 27888)	Solid samples
1.112 ²⁾	Determination of pH, temperature and electrical conductivity by two stage batch test	CZ_SOP_D06_07_088 (ČSN EN 12457-3, ČSN ISO 10523, ČSN 75 7342, ČSN EN 27888)	Solid samples
1.113 ¹⁾	Determination of total cyanide by spectrophotometry and determination of complex-forming cyanides by calculation from measured values	CZ_SOP_D06_02_089.A (ČSN 75 7415, ČSN EN ISO 14403-2)	Water, extracts
1.114 ¹⁾	Determination of total cyanide by spectrophotometry and determination of complex-forming cyanides by calculation from measured values	CZ_SOP_D06_02_089.B (ČSN 75 7415, ČSN EN ISO 17380, ČSN EN ISO 14403-2)	Solid samples
1.115 ¹⁾	Determination of easily releasable cyanide (free cyanide) and cyanide dissociated by weak acid by spectrophotometry	CZ_SOP_D06_02_090.A (ČSN ISO 6703-2, ČSN EN 16192, ČSN EN ISO 14403-2, SM 4500 CN)	Water, extracts
1.116 ¹⁾	Determination of easily releasable cyanide (free cyanide) and cyanide dissociated by weak acid by spectrophotometry	CZ_SOP_D06_02_090.A (ČSN 75 7415, ČSN EN ISO 17380, ČSN EN ISO 14403-2, SM 4500 CN)	Solid samples
1.117	Reserved		
1.118 ¹⁾	Determination of chemical oxygen demand using permanganate (COD _{Mn}) by titration	CZ_SOP_D06_02_092 (ČSN EN ISO 8467, Z1)	Water, extracts
1.119	Reserved		
1.120 ¹⁾	Determination of bound nitrogen (TNb), following oxidation to nitrogen oxides by EC or IR detection	CZ_SOP_D06_02_094 (ČSN EN 12260)	Water, extracts
1.121 ¹⁾	Qualitative determination of asbestos fibre by polarization microscope	CZ_SOP_D06_02_095 (NIOSH 9002)	Solid samples
1.122 ¹⁾	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (US EPA 245.7, ČSN EN ISO 178 52, ČSN EN 16192, samples prepared as per CZ_SOP_D06_02_J02 kap.10.1 a 10.2)	Water, extracts

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.123 ¹⁾	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852, PSA Application Note 025, ISO 16772, samples prepared as per CZ_SOP_D06_02_J02 (ČSN EN 13657, ISO 11466) Chap. 10.3 až 10.16, 10.17.5, 10.17.6, 10.17.9 až 10.17.14)	Solid samples
1.124 ¹⁾	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 178 52, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8)	Biological material
^E 1.125 ¹⁾	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (ČSN EN ISO 17852, EN 13211, ČSN EN ISO 12846 samples prepared as per CZ_SOP_D06_02_J02 chap. 10.17.1, 10.17.2, 10.17.4, 10.17.7, 10.17.8)	Emission, imission
1.126 ¹⁾	Determination of Mercury by Fluorescence Spectrometry	CZ_SOP_D06_02_096 (US EPA 245.7, ČSN EN ISO 17852, ČSN EN 16192, ČL/PhEur/USP, samples prepared as per CZ_SOP_D06_02_J02 Chap. 10.20)	Pharmaceutical material
1.127	Reserved		
1.128 ¹⁾	Determination of dissolved bromate, chlorate and chlorite by ion liquid chromatography method and determination of sum of chlorate and chlorite by calculation from measured values	CZ_SOP_D06_02_098 (ČSN EN ISO 15061, ČSN EN ISO 10304-4)	Water, extracts
1.129 ¹⁾	Determination of chloride by discrete spectrophotometry	CZ_SOP_D06_02_099 (US EPA 325.1, SM 4500-Cl ⁻)	Water, extracts
1.130 ¹⁾	Determination of extractive substances by gravimetry	CZ_SOP_D06_02_100 (ČSN 75 7508, SM 5520B)	Water
1.131 ²⁾	Determination of reactive and non-labile aluminium by continuous flow analysis (CFA) spectrophotometrically and determination of labile aluminium by calculation from measured values	CZ_SOP_D06_07_101 (company method SKALAR)	Drinking, surface, waste water
1.132 ²⁾	Determination of total nitrogen by modified Kjeldahl method by spectrometry	CZ_SOP_D06_07_102 (ČSN ISO 11261)	Solid sample with silicate matrix containing organic compound
1.133* 1)2)4)5)6)7)8)9)	Determination of oxidation-reduction potential (ORP) by potentiometry	CZ_SOP_D06_07_103 (ČSN 75 7367)	Water
1.134 ¹⁾	Determination of grease and oils by gravimetry (extraction after evaporation)	CZ_SOP_D06_02_104 (ČSN 75 7509)	Water

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.135 ¹⁾	Determination of pH by potentiometry	CZ_SOP_D06_02_105 (ČSN ISO 10523, US EPA 150.1, ČSN EN 16192, SM 4500-H ⁺ B)	Water, extracts
1.136 ¹⁾	Reserved		
1.137 ²⁾	Determination of total nitrogen by modified Kjeldahl method	CZ_SOP_D06_07_107 (ČSN EN 25663, ČSN ISO 7150-1, SFS 5505)	Water, extracts
1.138 ¹⁾	Determination of settle able solids by volumetry	CZ_SOP_D06_02_108 (SM 2540 F)	Water, extracts
1.139 ¹⁾	Determination of dissolved silicates by discrete photometry and determination of H ₂ SiO ₃ and total mineralization by calculation from measured values	CZ_SOP_D06_02_109 (ČSN EN ISO 16264, US EPA 370.1)	Water, extracts
1.140 ¹⁾	Determination of Chlorophyll by spectrophotometry	CZ_SOP_D06_02_110 (SM 10200 H)	Surface waters ⁶⁷⁾
1.141 ²⁾	Determination of nitrate nitrogen, ammonium nitrogen and total soluble nitrogen using calcium chloride solution as extractant by continuous flow analysis (CFA) spectrophotometrically	CZ_SOP_D06_07_111 (DIN ISO 14255)	Solid samples
1.142 ²⁾	Determination of phosphorus soluble in sodium hydrogen carbonate solution spectrophotometrically	CZ_SOP_D06_07_112 (ČSN ISO 11263)	Solid samples
1.143 ²⁾	Determination of pH electrochemically in the soils suspension in water, KCl, CaCl ₂ , BaCl ₂	CZ_SOP_D06_07_113 (ČSN ISO 10390, ČSN EN 12176:1999, ČSN EN 13037, ČSN EN 15933, ČSN 46 5735 Amendment 1, ÖNORM L 1086-1, US EPA Method 9045D; US EPA SW-846 Method 9040 (Liquid) and SW-846 Method 9045 (Soil))	Solid samples
1.144 ²⁾	Determination of formaldehyde by spectrophotometry	CZ_SOP_D06_07_114 (Chemical and physical methods of water analysis, SNTL Prague 1989)	Water, extracts
1.145 ²⁾	Determination of releasable formaldehyde by spectrophotometry	CZ_SOP_D06_07_115 (ČSN EN ISO 14184-1, PV 3925)	Materials, solid samples
1.146 ²⁾	Determination of iron(II) by spectrophotometry	CZ_SOP_D06_07_116 (ČSN ISO 6332)	Water, extracts
1.147	Reserved		
1.148	Reserved		
1.149 ¹⁾	Determination of aggressive carbon dioxide by the Heyer's method using calculation from alkalinity	CZ_SOP_D06_02_119 (ČSN 83 0530-14:2000)	Water
1.150 ²⁾	Grain size analysis of solid samples using sieve analysis and laser diffraction	CZ_SOP_D06_07_120 (BS ISO 11277:2009)	Solid samples (grain size lower than 63 mm)

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.151 ²⁾	Determination of total carbon (TC), total organic carbon (TOC), total sulfur and hydrogen by combustion method with IR detection and determination of total nitrogen by combustion method with TCD detection, determination of oxygen by calculation and determination of total inorganic carbon (TIC) and carbonates by calculation from measured values	CZ_SOP_D06_07_121.A (ČSN ISO 29541, ČSN EN ISO 16994, ČSN EN ISO 16948, ČSN EN 15407, ČSN ISO 19579, ČSN EN 15408, ČSN ISO 10694, ČSN EN 13137)	Solid samples, waste, sludge, lubricants, animal feeding stuff, plants, digestates, solid fossil fuels, solid biofuels, solid recovered fuel
1.152 ²⁾	Determination of carbon, sulfur and hydrogen by combustion method with IR detection and determination of nitrogen by combustion method with TCD detection and determination of oxygen by calculation	CZ_SOP_D06_07_121.B (metodology LECO)	Oil, liquid fuels, combustible liquid wastes
1.153 ¹⁾	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and trivalent chromium determination by calculation from measured values	CZ_SOP_D06_02_122 except chap. 10.2; 11.3.2; 11.5; 12.2.2; 15.5 (ČSN EN 16192, EPA 7199, SM 3500-Cr)	Water, extracts
1.154 ¹⁾	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and trivalent chromium determination by calculation from measured values	CZ_SOP_D06_02_122 except chap. 10.1; 11.3.1; 12.2.1; 15.4 (ČSN EN 15192, EPA 3060A)	Solid samples
1.155 ²⁾	Determination of weak acid dissociated (WAD) cyanide by spectrophotometry	CZ_SOP_D06_07_123.A (SM 4500 CN)	Water, extracts
1.156 ²⁾	Determination of weak acid dissociated (WAD) cyanide by spectrophotometry	CZ_SOP_D06_07_123.B (SM 4500 CN)	Solid samples
1.157 ²⁾	Determination of gross calorific value by calorimetric method and calculation of net calorific value and emission factor by calculation from measured values	CZ_SOP_D06_07_124.A (ČSN ISO 1928, ČSN EN 14918, ČSN EN 15400, ČSN EN 15170, ČSN DIN 51900-1, ČSN DIN 51900-2, ČSN DIN 51900-3)	Solid fossil fuels, solid biofuels, solid recovered fuels, waste, sludge
1.158 ²⁾	Determination of gross calorific value by calorimetric method and calculation of net calorific value and emission factor by calculation from measured values	CZ_SOP_D06_07_124.B (ČSN DIN 51900-1, ČSN DIN 51900-2, ČSN DIN 51900-3)	Oils, liquid fuels, combustible liquid wastes
1.159 ²⁾	Determination of total chlorine, fluorine and sulphur by calculation from the measured values of chloride, fluoride and sulphate by IC method after burning the sample	CZ_SOP_D06_07_124.C (ČSN EN ISO 16994, ČSN EN 15408, ČSN EN 14582) with the determination of chloride, fluoride and sulfate by IC as per CZ_SOP_D06_02_068	Solid fossil fuels, solid biofuels, solid recovered fuels, waste, sludge
1.160 ²⁾	Determination of total chlorine, fluorine and sulphur by calculation from the measured values of chloride, fluoride and sulphate by IC method after burning the sample	CZ_SOP_D06_07_124.D with the determination of chloride, fluoride and sulfate by IC as per CZ_SOP_D06_02_068	Oils, liquid fuels, combustible liquid wastes
1.161 ²⁾	Determination of laboratory compacted bulk density (LCBD)	CZ_SOP_D06_07_125 (ČSN EN 13040)	Sludge, composts, soils meliorants and growth stimulants

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.162 ²⁾	Determination of electrical conductivity	CZ_SOP_D06_07_126 (ČSN EN 13038, ČSN ISO 11265, ČSN P CEN/TS 15937)	Sludge, composts, soils, soils meliorants and growth stimulants, modified bio waste
^E 1.163 ¹⁾	Determination of hexavalent chromium by ion chromatography with spectrophotometric detection and trivalent chromium determination by calculation from measured values	CZ_SOP_D06_02_127 (ISO 16740, EPA 425)	Emission, imission
^E 1.164 ¹⁾	Determination of nitrogen dioxide and sulfur dioxide in passive samplers by ion chromatography method and results recalculation to the volume of air	CZ_SOP_D06_02_128 (materials of Istituto Fondazione Salvatore Maugeri, ČSN EN ISO 10304-1, ČSN EN ISO 10304-3)	Emission, imission
1.165 ¹⁾	Determination of sulphite by ion chromatography method	CZ_SOP_D06_02_129 (ČSN EN ISO 10304-3)	Water, extracts
1.166 ²⁾	Determination of volatile matter by gravimetry	CZ_SOP_D06_07_130 (ČSN ISO 562, ČSN ISO 5071-1, ČSN EN ISO 18123, ČSN EN 15402)	Solid fossil fuels, solid biofuels, solid recovered fuels
1.167 ²⁾	Determination of sulphite after distillation by titration	CZ_SOP_D06_07_131 <i>(M. Horáková et al.: Chemical and physical methods of water analyses)</i>	Water, extracts
1.168 ²⁾	Determination of respiratory activity (AT ₄) using respirometer	CZ_SOP_D06_07_132 (ÖNORM S 2027-4)	Wastes, sludge, composts, soils
1.169* ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Field determination of ozone using HACH sets	CZ_SOP_D06_07_133 (Method 8311 HACH Company, USA)	Drinking water
^E 1.170 ¹⁾	Determination of fluoride, chloride and sulfate in absorption solution from emission sample by ion chromatographic method and determination of hydrogen fluoride, hydrogen chloride and sulfur dioxide by calculation from measured values	CZ_SOP_D06_02_134 (ČSN EN 1911, STN ISO 15713, ČSN EN 14791, ČSN EN ISO 10304-1)	Emission
1.171 ¹⁾	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135 except chap. 10.2 (ČSN 83 0540-4:1998, STN 83 0540-4)	Water, extracts
1.172 ¹⁾	Determination of non-polar extractable compounds by UV spectrometry	CZ_SOP_D06_02_135 except chap. 10.1 (ČSN 83 0540-4: 1998, STN 83 0540-4)	Solid samples
1.173 ¹⁾	Determination of total dust concentration and respirable dust fraction by gravimetry and results recalculation to the volume of air	CZ_SOP_D06_02_136 (ČSN EN 481, ČSN EN 482+A1, ČSN EN 689, NIOSH 0500, NIOSH 0600, GR č. 361/2007 Coll.)	Working environment
1.174 ²⁾	Determination of SiO ₂ in silicate materials after decomposition by gravimetry	CZ_SOP_D06_07_137 (ČSN 72 0105 č. 1)	Solid samples
1.175 ²⁾	Determination of P ₂ O ₅ in silicate materials after decomposition by spectrophotometry	CZ_SOP_D06_07_138 (ČSN 72 0116 č. 1)	Solid samples
1.176 ²⁾	Determination of total sulfur in silicate materials after decomposition by gravimetry	CZ_SOP_D06_07_139 (ČSN 72 0118)	Solid samples

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1.177 1)2)4)5)6)7) 8)9)	Determination of CO ₂ in mineral water by Härt's instrument	CZ_SOP_D06_01_140 (Technosklo s.r.o. method)	Mineral water
1.178 1)2)4)5)6)7) 8)9)	Determination of CH ₄ , CO ₂ , O ₂ , H ₂ S by Geotech Company gas analyzer and determination of N ₂ by calculation from measured values	CZ_SOP_D06_01_141 (BIOGAS 5000 analyzer manual)	Gases
1.179 1)2)4)5)6)7) 8)9)	Determination of humidity by analyzer of gas humidity	CZ_SOP_D06_01_142 (ČSN EN 14790)	Gases
1.180 ²⁾	Determination of total inorganic fluor after separation by destillation by direct potentiometry	CZ_SOP_D06_07_143 except chap. 10 a 13.1 (ČSN ISO 10359-2, ČSN 83 4752-3)	Water, extracts, liquid samples
1.181 ²⁾	Determination of total inorganic fluor after separation by destillation by direct potentiometry	CZ_SOP_D06_07_143 (ČSN ISO 10359-2, ČSN 83 4752-3)	Solid samples
1.182 ²⁾	Determination of the biomass by selective dissolution	CZ_SOP_D06_07_144 (ČSN EN 15440, annex A)	Solid alternative fuels, solid combustible wastes

Tests: ORGANIC CHEMISTRY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.1 ¹⁾	Determination of extractable compounds in the range of hydrocarbons C ₁₀ – C ₄₀ , their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_150 (ČSN EN ISO 14039, ČSN EN ISO 16703, ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006)	Solid samples
2.2 ¹⁾	Determination of extractable compounds in the range of hydrocarbons C ₁₀ – C ₄₀ , their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_151 (ČSN EN ISO 9377-2, Z1, US EPA 8015, US EPA 3510, TNRCC Method 1006)	Water, extracts
2.3 ¹⁾	Determination of extractable compounds in the range of hydrocarbons C ₅ – C ₄₀ , their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_152 except chap. 9.1 (TNRCC Method 1006, TNRCC Method 1005)	Water, extracts, liquid samples
2.4 ¹⁾	Determination of extractable compounds in the range of hydrocarbons C ₅ – C ₄₀ , their fractions calculated from the measured values by gas chromatography method with FID detection	CZ_SOP_D06_03_152 except chap. 9.2 (TNRCC Method 1006, TNRCC Method 1005)	Solid samples
E _{2.5} ¹⁾	Determination of volatile organic compounds ¹⁾ by gas chromatography method with detection FID and MS and calculation of volatile organic compounds sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_153 (NIOSH ¹⁾)	Solid sorbent
E _{2.6} ¹⁾	Determination of volatile organic compounds ²⁾ by gas chromatography method with thermal desorption with detection FID and MS and calculation of volatile organic compounds sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_154 (US EPA TO-17, ČSN EN ISO 16017-1)	Solid sorbent

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.7 ¹⁾	Determination of volatile organic compounds ³⁾ by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155 except chap. 10.5, 10.6 (US EPA 624, US EPA 8260, US EPA 8015, EN ISO 10301, MADEP 2004, rev. 1.1, ISO 11423, ISO 15680)	Water, extracts
2.8 ¹⁾	Determination of volatile organic compounds ³⁾ by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, ISO 22155, ISO 15009, ČSN EN ISO 16558-1, MADEP 2004, rev. 1.1)	Solid samples
2.9 ¹⁾	Determination of volatile organic compounds ⁴⁾ by gas chromatography method with detection FID and ECD and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156 except chap. 11.3 - 11.5 (US EPA 601, US EPA 8260, US EPA 8015, RBCA Petroleum Hydrocarbon Methods, ISO 11423, ISO 15680)	Water, extracts
2.10 ¹⁾	Determination of volatile organic compounds ⁴⁾ by gas chromatography method with detection FID and ECD and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_156 except chap. 11.1, 11.2 (US EPA 8260, US EPA 8015, ISO 22155, ISO 15009, ;EN ISO 16558-1, RBCA Petroleum Hydrocarbon Methods)	Solid samples
2.11 ¹⁾	Determination of organic contaminants ⁵⁾ by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157 except chap. 9.2 (SPIMFAB)	Water
2.12 ¹⁾	Determination of organic contaminants ⁵⁾ by gas chromatography method with MS detection (SPIMFAB) and calculation of organic contaminants sums from measured values	CZ_SOP_D06_03_157 except chap. 9.1 (SPIMFAB)	Solid samples
2.13 ¹⁾	Determination of phenols, chlorinated phenols and cresols ⁶⁾ by gas chromatography method with detection MS and ECD and calculation of phenols, chlorinated phenols and cresols sums from measured values	CZ_SOP_D06_03_158 except chap. 9.3, 9.4 (US EPA 8041, US EPA 3500, ČSN EN 12673)	Water
2.14 ¹⁾	Determination of phenols, chlorinated phenols and cresols ⁶⁾ by gas chromatography method with detection MS and ECD and calculation of phenols, chlorinated phenols and cresols sums from measured values	CZ_SOP_D06_03_158 except chap. 9.1, 9.2, 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154)	Solid samples
E2.15 ¹⁾	Determination of phenols, chlorinated phenols and cresols ⁶⁾ by gas chromatography method with detection MS and ECD and calculation of phenols, chlorinated phenols and cresols sums from measured values	CZ_SOP_D06_03_158 except chap. 9.1, 9.2, 9.3 (US EPA 8041, US EPA 3500, DIN ISO 14154)	emission, imission
2.16 ¹⁾	Determination of phthalates ⁷⁾ by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159 except chap. 9.2 a 9.3 (US EPA 8061A)	Water

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.17 ¹⁾	Determination of phthalates ⁷⁾ by gas chromatography method with MS detection and calculation of phthalates sums from measured values	CZ_SOP_D06_03_159 except chap. 9.1 (US EPA 8061A, CPSC-CH-C1001-09.3)	Solid samples
2.18 ¹⁾	Determination of phenols and cresols ⁴⁰⁾ by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160 except chap. 9.2 (US EPA 8041A, US EPA 3500)	Water, extracts
2.19 ¹⁾	Determination of phenols and cresols ⁴⁰⁾ by gas chromatography method with MS detection and calculation of phenols and cresols sums from measured values	CZ_SOP_D06_03_160 except chap. 9.1 (US EPA 8041A, US EPA 3500)	Solid samples
2.20 ¹⁾	Determination of semi volatile organic compounds ⁹⁾ by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values	CZ_SOP_D06_03_161 (US EPA 8270, ČSN EN ISO 6468, US EPA 8000, příprava vzorku dle CZ_SOP_D06_03_P01 kap. 9.1, 9.4.1)	Water, extracts
2.21 ¹⁾	Determination of semi volatile organic compounds ⁹⁾ by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values	CZ_SOP_D06_03_161 (US EPA 8270, ČSN EN 15527, ISO 18287, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.2, 9.3, 9.4.2)	Solid samples
2.22 ¹⁾	Determination of polycyclic aromatic hydrocarbons ¹⁰⁾ by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_162 (US EPA 550)	Drinking water, table water, suckling water
2.23 ¹⁾	Determination of polycyclic aromatic hydrocarbons ¹⁰⁾ by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163 except chap. 9.1.2, 9.4.2 (US EPA 610, EN ISO 17993)	Water, extracts
2.24 ¹⁾	Determination of polycyclic aromatic hydrocarbons ¹⁰⁾ by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values	CZ_SOP_D06_03_163 except chap. 9.1.1, 9.4.1 (US EPA 610, US EPA 3550, ISO 13877)	Solid samples
2.25 ¹⁾	Determination of glycols ²⁶⁾ by gas chromatography method with MS detection	CZ_SOP_D06_03_164	Water, cooling liquids, anti-freeze fluid
E2.26 ¹⁾	Determination of polycyclic aromatic hydrocarbons ¹⁰⁾ by liquid chromatography method with detection FLD and PDA and calculation of polycyclic aromatic hydrocarbons sums from measured values and results recalculation to the volume of air	CZ_SOP_D06_03_165 (ISO 11338-2)	Emission, imission
2.27 ¹⁾	Determination of polychlorinated biphenyls ³⁹⁾ -congener analyses by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 (DIN 38407, part 2, US EPA 8082, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.1, CZ_SOP_D06_03_P02 chap. 9.1)	Water, extracts

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.28 ¹⁾	Determination of polychlorinated biphenyls ³⁹⁾ -congener analyses by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_166 (US EPA 8082, ISO 10382, ČSN EN 15308, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.2, 9.3, CZ_SOP_D06_03_P02 chap. 9.2, 9.3, 9.4)	Solid samples, sealing material
2.29 ¹⁾	Determination of alkylphenols and alkylphenol ethoxylates ²⁸⁾ by gas chromatography method with MS or MS/MS detection and calculation of alkylphenols and alkylphenol ethoxylates sums from measured values	CZ_SOP_D06_03_167 (European Standard BT WI CSS99040)	Solid samples
2.30 ¹⁾	Determination of polychlorinated biphenyls ¹¹⁾ -congener analyses by gas chromatography method with ECD detection and calculation of polychlorinated biphenyls sums from measured values	CZ_SOP_D06_03_168 (ČSN EN 12766-1, ČSN EN 61619)	Oil hydrocarbons, used oils, insulating liquids
2.31 ¹⁾	Determination of organochlorine pesticides ¹²⁾ and other halogen compounds ³⁴⁾ by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 (ČSN EN ISO 6468, US EPA 8081, DIN 38407-2, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.1, CZ_SOP_D06_03_P02 chap. 9.1)	Water, extracts
2.32 ¹⁾	Determination of organochlorine pesticides and other halogen compounds ¹²⁾ by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 (US EPA 8081, ISO 10382, samples prepared as per CZ_SOP_D06_03_P01 chap. 9.2, CZ_SOP_D06_03_P02 chap. 9.2)	Solid samples
2.33 ¹⁾	Determination of organochlorine pesticides and other halogen compounds ¹²⁾ by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 (US EPA 8081, samples prepared as per CZ_SOP_D06_03_P02 chap. 9.5)	Oils
E2.34 ¹⁾	Determination of organochlorine pesticides and other halogen compounds ¹²⁾ by gas chromatography method with ECD detection and calculation of organochlorine pesticides and other halogen compounds sums from measured values	CZ_SOP_D06_03_169 (US EPA 8081, samples prepared as per CZ_SOP_D06_03_P02 chap. 9.6)	Sorption materials
E2.35 ³⁾	Determination of polychlorinated dibenzo- <i>p</i> -dioxins and dibenzofuranes ¹³⁾ in emissions by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_170 (US EPA 23, US EPA 23A)	Emission
2.36 ³⁾	Determination of polychlorinated dibenzo- <i>p</i> -dioxins and dibenzofuranes ¹³⁾ in imission by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_171 (US EPA TO-9A)	Imission

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
E2.37 ³⁾	Determination of coplanar polychlorinated biphenyls ¹⁴⁾ in stationary emission sources by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_172 (JIS K 0311)	Emission, imission
2.38 ³⁾	Determination of polychlorinated biphenyls ¹⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 except chap. 10.2.3.2-10.2.3.8, 10.2.4, 10.2.5 (US EPA 1668A ČSN P CEN/TS 16190)	Water
2.39 ³⁾	Determination of polychlorinated biphenyls ¹⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1668A, ČSN P CEN/TS 16190)	Solid samples
2.40 ³⁾	Determination of polychlorinated biphenyls ¹⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of PCB sums and TEQ parameter from measured values	CZ_SOP_D06_06_173 except chap. 10.2.3.1-10.2.3.7, 10.2.4 (US EPA 1668A, ČSN P CEN/TS 16190)	Biological matrices
2.41 ³⁾	Determination of polychlorinated biphenyls ¹⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of PCB sum and TEQ parameter from measured values	CZ_SOP_D06_06_173 except chap. 10.2.3.1-10.2.3.6 (US EPA 1668A, ČSN P CEN/TS 16190)	SPMD extracts, food, feed
E2.42 ³⁾	Determination of polychlorinated dibenzo-p-dioxins and dibenzofuranes ¹³⁾ in emission samples by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_174 (ČSN EN 1948-2, ČSN EN 1948-3)	Emission
2.43 ³⁾	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³⁾ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 except chap. 10.2.3.2-10.2.3.8, 10.2.4, 10.2.5 (US EPA 1613B, ČSN P CEN/TS 16190)	Water
2.44 ³⁾	Determination of tetra- to octa-chlorinated dioxins and furanes ¹³⁾ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1613B, ČSN P CEN/TS 16190)	Solid samples
2.45 ³⁾	Determination of tetra- to octa- chlorinated dioxins and furanes ¹³⁾ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 except chap. 10.2.3.1-10.2.3.7, 10.2.4 (US EPA 1613B, ČSN P CEN/TS 16190)	Biological matrices
2.46 ³⁾	Determination of tetra- to octa- chlorinated dioxins and furanes ¹³⁾ by isotope dilution method using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_175 except chap. 10.2.3.1-10.2.3.6 (US EPA 1613B, ČSN P CEN/TS 16190)	SPMD extracts, food, feed
2.47 ³⁾	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofuranes (PCDF) ¹³⁾ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 except chap. 10.2.3.2-10.2.3.7, 10.2.4, 10.2.5 (US EPA 8290A)	Water

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.48 ³⁾	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofuranes (PCDF) ¹³⁾ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 except chap. 10.2.3.1, 10.2.3.6, 10.2.5 (US EPA 8290A)	Solid samples
2.49 ³⁾	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofuranes (PCDF) ¹³⁾ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 except chap. 10.2.3.1-10.2.3.6, 10.2.4 (US EPA 8290A)	Biological matrices
2.50 ³⁾	Determination of polychlorinated dibenzodioxins (PCDD) and polychlorinated dibenzofuranes (PCDF) ¹³⁾ using HRGC-HRMS and calculation of TEQ parameters from measured values	CZ_SOP_D06_06_176 except chap. 10.2.3.1-10.2.3.6 (US EPA 8290A)	Food, feed
2.51 ³⁾	Determination of selected brominated flammable retarders (BFR) ¹⁵⁾ by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retarders sums from measured values	CZ_SOP_D06_06_177 except chap. 10.2.3.2 - 10.2.3.8, 10.2.4, 10.2.5 (US EPA 1614)	Water
2.52 ³⁾	Determination of selected brominated flammable retarders (BFR) ¹⁵⁾ by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retarders sums from measured values	CZ_SOP_D06_06_177 except chap. 10.2.3.1, 10.2.3.7, 10.2.3.8, 10.2.5 (US EPA 1614, ČSN, EN 16377, ČSN EN ISO 22032)	Solid samples
2.53 ³⁾	Determination of selected brominated flammable retarders (BFR) ¹⁵⁾ by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retarders sums from measured values	CZ_SOP_D06_06_177 except chap. 10.2.3.1 - 10.2.3.7, 10.2.4, (US EPA 1614)	Biological matrices
2.54 ³⁾	Determination of selected brominated flammable retarders (BFR) ¹⁵⁾ by isotope dilution method using HRGC-HRMS and calculation of brominated flammable retarders sums from measured values	CZ_SOP_D06_06_177 except chap. 10.2.3.1 - 10.2.3.6, (US EPA 1614)	SPMD extracts, food, feed
2.55 ¹⁾	Determination of alkylphenols and alkylphenol ethoxylates ¹⁶⁾ by gas chromatography method with MS or MS/MS detection and calculation of alkylphenols and alkylphenol ethoxylates sums from measured values	CZ_SOP_D06_03_178 (ISO 18857-2)	Water
E2.56 ³⁾	Determination of PCB ¹⁴⁾ in emission samples by isotope dilution method using HRGC-HRMS and calculation of PCB sums from measured values	CZ_SOP_D06_06_179 (ČSN EN 1948-4, EPA TO-4A)	Emission, imission
2.57 ³⁾	Determination of polycyclic aromatic hydrocarbons ⁵⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.6, 10.3.3.8 - 10.3.3.10, 10.3.5 (US EPA 429, ISO 11338, US EPA 3540)	Solid samples

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
E2.58 ³⁾	Determination of polycyclic aromatic hydrocarbons ⁵⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.6 - 10.3.3.10, 10.3.4, 10.3.5 (US EPA 429, ISO 11338, EPA TO-13A)	Emission, imission
2.59 ³⁾	Determination of polycyclic aromatic hydrocarbons ⁵⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.9, 10.3.4 (US EPA 429, STN EN 16619)	Biological matrices
2.60 ³⁾	Determination of polycyclic aromatic hydrocarbons ⁵⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.8 (US EPA 429, STN EN 16619)	SPMD extracts, food, feed
2.61 ³⁾	Determination of polycyclic aromatic hydrocarbons ⁵⁴⁾ by isotope dilution method using HRGC-HRMS and calculation of polyaromatic hydrocarbons sums from measured values	CZ_SOP_D06_06_180 except chap. 10.3.3.1 - 10.3.3.7, 10.3.3.9, 10.3.3.10, 10.3.4, 10.3.5 (US EPA 429, ISO 11338, IP 346)	Oils
2.62 ¹⁾	Determination of semi-volatile organic compounds ²⁷⁾ by isotopic dilution method using gas chromatography method with MS detection and calculation of semi-volatile organic compounds sums from measured values	CZ_SOP_D06_03_181 (US EPA 429, US EPA 1668, US EPA 3550)	Solid samples
2.63 ¹⁾	Determination of acidic herbicides, drug residues and other pollutants ²⁹⁾ by liquid chromatography method with MS/MS detection and calculation of acidic herbicides, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_182.A (DIN 38407-35, CEN/TS 15968)	Water, liquid samples
2.64 ¹⁾	Determination of acidic herbicides and drug residues ^{29A)} by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_182.B (ČSN EN 15637, US EPA 1694)	Solid samples
2.65 ¹⁾	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ³⁰⁾ by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticide metabolites, drug residues and other pollutants sums from measured values	CZ_SOP_D06_03_183.A (US EPA 535, US EPA 1694)	Water, liquid samples
2.66 ¹⁾	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ^{30A)} by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticides metabolites, drug residues and other pollutants wsums from measured values	CZ_SOP_D06_03_183.B (ČSN EN 15637, US EPA 1694)	Solid samples
2.67 ¹⁾	Determination of pesticides, pesticide metabolites, drug residues and other pollutants ^{30B)} by liquid chromatography method with MS/MS detection and calculation of pesticides, pesticides metabolites, drug residues and other pollutants wsums from measured values	CZ_SOP_D06_03_183.C (ČSN EN 15662)	Vegetable and animal materials

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.68 ¹⁾	Determination of pesticides ³¹⁾ by gas chromatography method with MS or MS/MS detection and calculation of pesticides sums from measured values	CZ_SOP_D06_03_184 (US EPA 8141B, US EPA 3535A)	Water, liquid samples
2.69 ¹⁾	Determination of pesticides and pesticide metabolites ³²⁾ by derivatization and liquid chromatography method with MS/MS detection and calculation of pesticides and pesticide metabolites sums from measured values	CZ_SOP_D06_03_185 (ČSN ISO 21458)	Water, liquid samples
2.70 ¹⁾	Determination of complexing substances ³³⁾ by gas chromatography method with MS detection	CZ_SOP_D06_03_186 (ČSN EN ISO 16588)	Water
E2.71 ¹⁾	Determination of polycyclic aromatic hydrocarbons derivatives ³⁶⁾ by liquid chromatography method with MS detection	CZ_SOP_D06_03_187 (Determination of oxygenated polycyclic aromatic hydrocarbons in particulate matter using high-performance liquid chromatography–tandem mass spectrometry; J. Chrom. A, 1133 (2006) 241–247)	Emission, imission
2.72 ¹⁾	Determination of organic acids ³⁷⁾ by capillary electrophoresis method with UV detection	CZ_SOP_D06_03_188.A (Lumex manual, Kudrjashova, M.: Capillary electrophoretic monitoring of microbial growth: determination of organic acids, COPYRIGHT 2004 Estonian Academy Publishers, June, 2004 Source Volume: 53 Source Issue: 2, ISSN: 1406-0124)	Water, liquid samples
2.73 ¹⁾	Determination of organic acids ³⁷⁾ by capillary electrophoresis method with UV detection	CZ_SOP_D06_03_188.B (Lumex manual, Kudrjashova, M.: Capillary electrophoretic monitoring of microbial growth: determination of organic acids, COPYRIGHT 2004 Estonian Academy Publishers, June, 2004 Source Volume: 53 Source Issue: 2, ISSN: 1406-0124)	Feed, composts, digestate, physiological fluid
2.74 ¹⁾	Determination of gases ³⁸⁾ by gas chromatography method with detection FID and TCD	CZ_SOP_D06_03_189 (EPA Method RSK-175)	Water, liquid samples
2.75 ¹⁾	Low limit determination of volatile organic compounds ³⁾ by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190 (US EPA 5021, US EPA 8260)	Water
2.76 ¹⁾	Low limit determination of volatile organic compounds ³⁾ by gas chromatography method with MS detection and calculation of volatile organic compounds sums from measured values	CZ_SOP_D06_03_190 (US EPA 5021, US EPA 8260)	Solid samples
2.77	Reserved		
2.78 ¹⁾	Determination of chlorinated alkanes ³⁴⁾ by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.A (ISO 12010)	Water, liquid samples
2.79 ¹⁾	Determination of chlorinated alkanes ³⁴⁾ by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_192.B (ISO 12010, ISO 18635)	Solid samples

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
2.80 ¹⁾	Determination of aniline and aniline derivatives ²¹⁾ by gas chromatography method with MS detection	CZ_SOP_D06_03_193 (US EPA 8270)	Solid samples
2.81 ¹⁾	Determination of chlorinated phenols ⁵⁵⁾ by liquid chromatography method with MS/MS detection	CZ_SOP_D06_03_194	Water, liquid samples
2.82 ¹⁾	Determination of drug residues ⁵⁶⁾ by liquid chromatography with MS/MS detection and results recalculation to the volume of air	CZ_SOP_D06_03_195 (Jia Yu et al: Biomed. Chromatogr. 2011; 25: 511–516)	Working environment
2.83 ¹⁾	Determination of epichlorhydrine by gas chromatography method with MS/MS detection	CZ_SOP_D06_03_196 (Application list Agilent Technologies 5990-6433EN)	Water
2.84 ¹⁾	Determination of perfluorinated and brominated compounds ⁵⁸⁾ by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.A (US EPA 537)	Water, liquid samples
2.85 ¹⁾	Determination of perfluorinated and brominated compounds ^{58A)} by liquid chromatography with MS/MS detection	CZ_SOP_D06_03_197.B (DIN 38414)	Solid samples
2.86 ¹⁾	Determination of volatile organic compounds ⁵⁹⁾ by gas chromatography method with TCD and FID detection and calculation of volatile organic compounds percentage from measured values	CZ_SOP_D06_03_198 (ČSN EN ISO 11890-2)	Solid samples
2.87 ³⁾	Determination of fat by gravimetry	CZ_SOP_D06_06_199 (US EPA 1613)	Food, feed, biological material
2.88 ¹⁾	Determination of 3-chlor-1,2-propandiol by gas chromatography method with MS detection	CZ_SOP_D06_03_200 (LMBG 52.02(1))	Spices
2.89 ¹⁾	Determination of drug residues ⁶¹⁾ by liquid chromatography method with MS / MS detection	CZ_SOP_D06_03_201.A (US EPA 1694)	Water
2.90 ¹⁾	Determination of organic acids ⁶²⁾ by gas chromatography method with FID detection	CZ_SOP_D06_03_202 (Determination of Volatile Fatty Acids in sewage sludge 1979 HMSO. ISBN 0-11-75462-4)	Liquid samples

Tests: ORGANIC CHEMISTRY OF FOOD

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
3.1 ¹⁾	Determination of fatty acids ¹⁸⁾ by gas chromatography method with FID detection and calculation sum of SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6 ³⁵⁾	CZ_SOP_D06_04_202 (ČSN EN ISO 12966-1, ČSN EN ISO 12966-2)	Food, feed, dietary supplements
3.2 ¹⁾	Determination of cholesterol by gas chromatography method with FID detection	CZ_SOP_D06_04_205 Prof. Ing. Jiří David, MD. et al, Laboratory Manual of Food Analysis, J.-Chromatogr.-A.; 24 Jun 1994; 672(1-2): 267-272, Determination of sterol content in different food samples by capillary gas chromatography	Fatty food, non-fatty food, dietary supplements

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
3.3 ¹⁾	Determination of retinol and alpha-tocopherol by liquid chromatography method with FLD detection	CZ_SOP_D06_04_206 (ČSN EN 128 23-1, ČSN EN 128 22)	Fats, fatty food, non-fatty food, dietary supplements, feed, premixes
3.4 ¹⁾	Determination of vitamin C (ascorbic acid) by liquid chromatography method with PDA detection	CZ_SOP_D06_04_207 (ČSN EN 14130:2004)	Beverages, candy, non-fatty food, dietary supplements, fruit, vegetables
3.5 ¹⁾	Determination of vitamin D ²²⁾ by liquid chromatography method with PDA detection	CZ_SOP_D06_04_208 (ČSN EN 12821)	Fats, fatty food, non-fatty food, dietary supplements, feed, premixes
3.6 ¹⁾	Determination of substitute sweeteners ²³⁾ by liquid chromatography method with PDA detection	CZ_SOP_D06_04_209 (ČSN EN 12856)	Beverages, milk products, jams, dietary supplements, fishes
3.7 ¹⁾	Determination of caffeine, theobromine and theophylline by liquid chromatography method with PDA detection	CZ_SOP_D06_04_210 (ČSN EN 12856)	Beverages, tea, coffee, cocoa, chocolate
3.8 ¹⁾	Determination of preserving agents ²⁴⁾ in food by liquid chromatography method with PDA detection	CZ_SOP_D06_04_211 (ČSN EN 12856)	Beverages, jams, vegetable and fruit sauces and pastes, mustard, fatty and milk products, dietary supplements
3.9 ¹⁾	Determination of aflatoxin B ₁ , B ₂ , G ₁ and G ₂ by liquid chromatography method with FLD detection	CZ_SOP_D06_04_212 (ČSN EN 14123)	Food with low water content, beverages, feed
3.10 ¹⁾	Determination of the content of ochratoxin A by liquid chromatography method with FLD detection	CZ_SOP_D06_04_213 (ČSN EN 15829, ČSN EN 14133, ČSN EN 14132)	Food with low water content, beverages, dietary supplements, feed
3.11 ¹⁾	Determination of zearalenon by liquid chromatography method with FLD detection	CZ_SOP_D06_04_214 (ČSN EN 15850)	Cereals, feed
3.12 ¹⁾	Determination of aflatoxin M1 by liquid chromatography method with FLD detection	CZ_SOP_D06_04_215 (ČSN EN ISO 14501)	Milk, dried milk and products from them
3.13 ¹⁾	Determination of patulin by liquid chromatography method with PDA detection	CZ_SOP_D06_04_216 (ČSN EN 14177)	Food with high water content, food supplement, beverages
3.14 ¹⁾	Determination of deoxynivalenol by liquid chromatography method with PDA detection	CZ_SOP_D06_04_217 (ČSN EN 15791, ČSN EN 15891)	Food with low water content, beverages, dietary supplements, feed
3.15 ¹⁾	Determination of vitamins B ₁ , B ₂ a B ₆ by liquid chromatography method with FLD detection	CZ_SOP_D06_04_218 (ČSN EN 14122, ČSN EN 14152, ČSN EN 14663)	Fats, fatty food, non-fatty food, feed, dietary supplements
3.16 ¹⁾	Determination of folic acid by ELISA method – commercial set Ridascreen Folic Acid	CZ_SOP_D06_04_219 (R-Biopharm Manual)	Food, feed, dietary supplements
3.17 ¹⁾	Determination of biotin by ELISA method – commercial set Ridascreen Biotin	CZ_SOP_D06_04_220 (R-Biopharm Manual)	Milk, milk products, cereals and cereal products, non-alcoholic beverages, baby food, feed, dietary supplements

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
3.18 ¹⁾	Determination of gliadine (gluten) by sandwich enzyme immunoassay ELISA Method – commercial set RIDASCREEN® Gliadin	CZ_SOP_D06_04_221.A (manual R-Biopharm)	Fatty food, non-fatty food, dietary supplements
3.19 ¹⁾	Determination of gliadine (gluten) by competitive immunoassay ELISA Method – commercial set RIDASCREEN® Gliadin	CZ_SOP_D06_04_221.B (manual R-Biopharm)	Fatty food, non-fatty food, dietary supplements
3.20 ¹⁾	Determination of casein by ELISA Method – commercial set Ridascreen Fast Casein	CZ_SOP_D06_04_222 (R-Biopharm Manual)	Food, dietary supplements
3.21 ¹⁾	Determination of sugars ⁸⁾ by liquid chromatography method with RI detection	CZ_SOP_D04_223 (ČSN EN 12630)	Food, feed, dietary supplements
3.22 ¹⁾	Determination of vitamin B12 by microbiological microtitre method – commercial set VitaFast® B12	CZ-SOP-D06_04_224 (R-Biopharm Manual)	Food, feed, dietary supplements
3.23 ¹⁾	Determination of niacin by liquid chromatography method with PDA detection	CZ_SOP_D06_04_225 (ČSN EN 15652)	Fatty food, non-fatty food, feed, dietary supplements
3.24 ¹⁾	Determination of soy protein by ELISA method – commercial set Soya assay Biokits	CZ_SOP_D06_04_226 (Biokits Neogen Manual)	Meat products
3.25 ¹⁾	Determination of parabens contain by liquid chromatography method with PDA detection	CZ_SOP_D06_04_227 (HPLC for Food Analysis, Agilent Technologies 1996 -2001)	Cosmetics
3.26 ¹⁾	Determination of allergen peanut protein by ELISA method – commercial kit Bio-Check (Peanut-Check)	CZ_SOP_D06_04_228 (Bio-Check Manual)	Fatty food, non-fatty food, dietary supplements
3.27 ¹⁾	Determination of fat-soluble vitamins (D2 and D3) by two-dimensional liquid chromatography method with PDA detection	CZ_SOP_D06_04_229 (AN-1069 Thermo – Application list)	Fats, fatty food, non-fatty food, dietary supplements, feed, premixes
3.28 ¹⁾	Determination of Vitamin B12 by ELISA method – commercial set RIDASCREEN®FAST	CZ_SOP_D06_04_230 (R-Biopharm Manual)	Food, feed, dietary supplements

Tests: MIKROBIOLOGY OF WATER

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
4.1 ¹⁾	Enumeration of mesophilic bacteria by cultivation	ČSN 75 7841	Surface, ground, waste, pool water
4.2 ¹⁾	Enumeration of psychophilic bacteria by cultivation	ČSN 75 7842	Surface, ground, waste, pool water
4.3 ¹⁾	Enumeration of intestinal enterococci by membrane filtration	ČSN EN ISO 7899 - 2 STN EN ISO 7899 - 2	Drinking, bottled, pool, raw, treated, ground, surface, waste water
4.4 ¹⁾	Enumeration of culturable microorganisms a) at 22 °C b) at 36 °C by cultivation	ČSN EN ISO 6222 STN EN ISO 6222	Drinking, bottled, natural mineral, pool, raw, treated, ground water
4.5 ¹⁾	Enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by membrane filtration	ČSN 75 7835	Drinking, surface, ground, pool, waste water

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
4.6 ¹⁾	Enumeration of <i>Escherichia coli</i> and coliform bacteria by membrane filtration	ČSN EN ISO 9308 – 1 STN EN ISO 9308 – 1	Drinking, pool, bottled, raw, treated, ground water
4.7 ¹⁾	Enumeration of <i>Pseudomonas aeruginosa</i> by membrane filtration	ČSN EN ISO 16266 STN EN ISO 16266	Drinking, bottled, natural mineral, pool, surface, waste water
4.8 ¹⁾	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus Aureus</i> and other species) by membrane filtration	ČSN EN ISO 6888-1	Pool, surface, waste, drinking, ground water
4.9 ¹⁾	Enumeration of <i>Candida</i> yeasts by membrane filtration	CZ_SOP_D06_04_258 (Hausler, J.: Microbiological Culture Methods of Quality Inspection, Volume III, 1995)	Pool, surface, waste water
4.10 ¹⁾	Enumeration of <i>Clostridium perfringens</i> by membrane filtration	CZ_SOP_D06_04_259 (GR 252/2004 Coll., Annex 6, GR č. 354/2006 Coll., Annex.1)	Drinking, bottled, pool, natural mineral, raw, produced, ground water
4.11 ¹⁾	Detection of <i>Salmonella</i> by membrane filtration	ČSN ISO 19250	Drinking, surface, ground, pool, waste water
4.12 ¹⁾	Determination of bioseston by microscopy	ČSN 75 7712, STN 757711	Drinking, bottled, raw, treated, ground water
4.13 ¹⁾	Determination of abioseston by microscopy	ČSN 75 7713, STN 757712	Drinking, bottled, raw, treated, ground water
4.14 ¹⁾	Detection and enumeration of <i>Legionella</i> by cultivation and membrane filtration	CZ_SOP_D06_04_263.A (ČSN ISO 11731, ČSN ISO 11731-2)	Water, treated water
4.15 ¹⁾	Detection and enumeration of <i>Legionella</i> by cultivation	CZ_SOP_D06_04_263.B (ČSN ISO 11731)	Sediments, growths
4.16 ¹⁾	Detection and enumeration of <i>Legionella</i> by cultivation	CZ_SOP_D06_04_263.C (ČSN ISO 11731)	Swabs
4.17 ¹⁾	Enumeration of Coliform bacteria by membrane filtration	ČSN 75 7837	Non-disinfected water
4.18 ¹⁾	Enumeration of spore sulphite reducing anaerobes (<i>Clostridium</i>) by membrane filtration	ČSN EN 26461-2	Water
4.19 ¹⁾	Microbiological testing of water for hemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_04_266 (ISO 13959, ISO 23500)	Dialysis water
4.20 ¹⁾	Microbiological testing of dialysis fluid for hemodialysis. Enumeration of viable microorganisms	CZ_SOP_D06_04_267 (ISO 11663, ISO 23500)	Dialysis fluid
4.21 ¹⁾	Determination of the concentration of bacterial endotoxins by the LAL test: the turbidimetric kinetic method	CZ_SOP_D06_04_268 (Ph.Eur. kapitola 2.6.14)	Dialysis water, Dialysis fluid

Tests: MICROBIOLOGY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
5.1 ¹⁾	Enumeration of microorganisms by cultivation	ČSN EN ISO 4833	Food, feed
5.2 ¹⁾	Enumeration of coliform bacteria by cultivation	ČSN ISO 4832	Food, feed
5.3 ¹⁾	Enumeration of enterococci by cultivation	CZ_SOP_D06_04_302 (CSN 56 0100:1994)	Food, feed

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
5.4 ¹⁾	Enumeration of <i>Bacillus cereus</i> by cultivation	ČSN EN ISO 7932	Food, feed
5.5 ¹⁾	Enumeration of coagulase-positive staphylococci (<i>Staphylococcus aureus</i> and other species) by cultivation	ČSN EN ISO 6888-1	Food, feed
5.6 ¹⁾	Enumeration of <i>Clostridium perfringens</i> by cultivation	ČSN EN ISO 7937	Food, feed
5.7 ¹⁾	Detection of <i>Salmonella</i> by cultivation	ČSN EN ISO 6579	Food, feed
5.8 ¹⁾	Detection of <i>Salmonella</i> by cultivation	CZ_SOP_D06_04_307 mimo kap. 9.1.2 (ČSN EN ISO 6579, AHEM č. 1/2008)	Sludge, bio waste, compost, substrates, soils
5.9 ¹⁾	Detection of <i>Salmonella</i> by cultivation	CZ_SOP_D06_04_307 mimo kap. 9.1.1 (ČSN EN ISO 6579, AHEM č. 1/2008)	Biological matrices
5.10 ¹⁾	Determination of inhibiting substances by Delvotest method	CZ_SOP_D06_04_308 (O.K.Servis BioPro Manual)	Milk
5.11 ¹⁾	Detection of <i>Salmonella</i> by ELISA method - commercial set Solus Salmonella	CZ-SOP-D06_04_309 (Solus Manual)	Food, feed
5.12 ¹⁾	Enumeration of yeasts and moulds by cultivation	ČSN ISO 21527-1,2	Food, feed
5.13 ¹⁾	Detection of <i>Enterobacteriaceae</i> by cultivation	ČSN ISO 21528-1	Food, feed
5.14 ¹⁾	Enumeration of spore-forming microorganisms by cultivation	CZ_SOP_D06_04_312 (ČSN 56 0100:1994, Article 87)	Food, feed
5.15 ¹⁾	Detection of <i>Vibrio parahaemolyticus</i> and <i>Vibrio species</i> by cultivation	ČSN P ISO/TS 21872-1, 2	Food, feed
5.16 ¹⁾	Enumeration of mesophilic lactic acid bacteria by cultivation	ČSN ISO 15214	Food, feed
5.17 ¹⁾	Detection of <i>Shigella spp.</i> by cultivation	ČSN EN ISO 21567	Food, feed
5.18 ¹⁾	Detection of <i>Campylobacter spp.</i> by cultivation	ČSN EN ISO 10272-1	Food, feed
5.19 ¹⁾	Detection of presumptive pathogenic <i>Yersinia enterocolitica</i> by cultivation	ČSN EN ISO 10273	Food, feed
5.20 ¹⁾	Enumeration of <i>Enterobacteriaceae</i> by cultivation	ČSN ISO 21528-2	Food, feed
5.21 ¹⁾	Enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> by cultivation	ČSN ISO 16649-2	Food, feed
5.22 ¹⁾	Detection and enumeration of <i>Listeria monocytogenes</i> by cultivation	ČSN EN ISO 11290-1, ČSN EN ISO 11290-2	Food, feed
5.23 ¹⁾	Enumeration of potentially toxinogenic moulds on special media by cultivation	CZ_SOP_D06_04_321 (AHEM č. 1/2003)	Food, feed
5.24 ¹⁾	Enumeration of microorganisms in air by aeroscopy and sedimentation method	CZ_SOP_D06_04_322 (ČSN 56 0100:1994, article 149, 150 AHEM č.1/2002)	Internal air environment
5.25 ¹⁾	Determination of microbial contamination of areas, surface of equipment and packages using swab method	CZ_SOP_D06_04_323 (ČSN 56 0100:1994, čl.145)	Areas, surface, packaging material, surface of food
5.26 ¹⁾	Enumeration of thermotolerant coliform bacteria and <i>Escherichia coli</i> by cultivation	CZ_SOP_D06_04_324 (AHEM č. 1/2008, ČSN ISO 16649-2)	Sludge, bio waste, compost, substrates, soils, sand

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
5.27 ¹⁾	Enumeration of enterococci by cultivation	CZ_SOP_D06_04_325 (AHM č. 1/2008, ČSN EN ISO 7899-2)	Sludge, bio waste, compost, substrates, soils, sand
5.28 ¹⁾	Detection of <i>Listeria</i> by ELISA method - commercial set Solus Listeria	CZ-SOP-D06_04_326 (manual Solus)	Food, feed
5.29 ¹⁾	Detection and enumeration of <i>Listeria monocytogenes</i> by quick cultivation method Listeria Precise	CZ-SOP-D06_04_327 (OXOID Manual)	Food, feed
5.30 ¹⁾	Detection of <i>Salmonella</i> by quick cultivation method Salmonella Precis	CZ-SOP-D06_04_328 (OXOID Manual)	Food, feed
5.31 ¹⁾	Detection of <i>Cronobacter (Enterobacter) sakazakii</i> by cultivation	ČSN P ISO/TS 22964	Milk and milk products
5.32 ¹⁾	Detection and enumeration of aerobic mesophilic bacteria by cultivation	ČSN EN ISO 21149	Cosmetics
5.33 ¹⁾	Detection of <i>Pseudomonas aeruginosa</i> by cultivation	ČSN EN ISO 22717 ČSN ISO 18415	Cosmetics
5.34 ¹⁾	Detection of <i>Staphylococcus aureus</i> by cultivation	ČSN EN ISO 22718 ČSN ISO 18415	Cosmetics
5.35 ¹⁾	Detection of <i>Candida albicans</i> by cultivation	ČSN EN ISO 18416 ČSN ISO 18415	Cosmetics
5.36 ¹⁾	Detection of <i>Escherichia coli</i> by cultivation	ČSN EN ISO 21150 ČSN ISO 18415	Cosmetics
5.37 ¹⁾	Enumeration of yeast and mould by cultivation	ČSN EN ISO 16212	Cosmetics
5.38 ¹⁾	Evaluation of antimicrobial protection of cosmetic product, test of conservation effectiveness	CZ_SOP_D06_04_336 (ČSN EN ISO 11930, Ph.Eur. chapter 5.1.3)	Cosmetics
5.39 ¹⁾	Horizontal method for the detection and enumeration of presumptive <i>Escherichia coli</i> - Technique of most probable number	ČSN ISO 7251, expected Art. 9.2	Food, feed

Tests: ECOTOXIKOLOGY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
6.1 ²⁾	Determination of the acute lethal toxicity of substance to a freshwater fish	CZ_SOP_D06_07_350 (ČSN EN ISO 7346-1, ČSN EN ISO 7346-2, STN 83 8303)	Surface, underground and waste water, extracts of waste, solutions and extracts of chemical substances and agents
6.2 ²⁾	Determination of the inhibition of the mobility of <i>Daphnia magna Straus</i> - Acute toxicity test	CZ_SOP_D06_07_351 (ČSN EN ISO 6341, STN 83 8303)	Surface, underground and waste water, extracts of waste, solutions and extracts of chemical substances and agents
6.3 ²⁾	Freshwater algal growth inhibition test	CZ_SOP_D06_07_352 (ČSN EN ISO 8692, STN 83 8303)	Surface, underground and waste water, extracts of waste, solutions and extracts of chemical substances and agents

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
6.4 ²⁾	Toxicity test on seeds of white mustard (<i>Sinapis alba</i>)	CZ_SOP_D06_07_353 (Ministry of Environment Bulletin, Volume XVII, Part 4/2007, p. 13-14; Waste Department Guidance for the determination of waste ecotoxicity, Annex 1 "Test on the seeds of white mustard (<i>Sinapis alba</i>)", STN 83 8303)	Surface, underground and waste water, extracts of waste, solutions and extracts of chemical substances and agents
6.5 ²⁾	Determination of the inhibitory effect of water samples on the light emission of <i>Vibrio fischeri</i>	CZ_SOP_D06_07_354 (ČSN EN ISO 11348-2)	Surface, underground and waste water, extracts, percolation water, saline and brackish water
6.6 ²⁾	<i>Folsomia candida</i> reproduction test – determination of the inhibition.	CZ_SOP_D06_07_355 (ČSN EN ISO 11267)	Waste, soils, sediments
6.7 ²⁾	<i>Enchytraeus crypticus</i> reproduction test – determination of the inhibition	CZ_SOP_D06_07_356 (ČSN EN ISO 16387)	Waste, soils, sediments
6.8 ²⁾	<i>Lactuca sativa</i> – determination of inhibition of root growth	CZ_SOP_D06_07_357 (ČSN EN ISO 11269-1)	Waste, soils, sediments
6.9 ²⁾	Determination of nitrification activity and its inhibition	CZ_SOP_D06_07_358 (ČSN ISO 15685)	Waste, soils, sediments
6.10 ²⁾	Determination of the inhibition of the growth, germination and germination index (phytotoxicity) of Garden Cress (<i>Lepidium sativum</i>) - Acute toxicity test	CZ_SOP_D06_07_359 (F. Zucconi et al.: Biological evaluation of compost maturity. BioCycle, 22(2), 1981, s. 27–29.)	Surface, underground and waste water, extracts of waste and composts, solutions and extracts of chemical substances and agents
6.11 ²⁾	Determination of the inhibition of the growth of Lesser Duckweed (<i>Lemna minor</i>) - Acute toxicity test	CZ_SOP_D06_07_1350 (ČSN EN ISO 20079)	Surface, underground and waste water, extracts of waste, solutions and extracts of chemical substances and agents

Tests: RADIOLOGY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
7.1 ²⁾	Determination of gross alpha activity by measuring of evaporated residue in a mixture with ZnS(Ag) scintillator	ČSN 75 7611 chapter 4	Water, extracts
7.2 ²⁾	Determination of gross alpha activity by measuring of incinerated evaporated residue by means of proportional detector	ČSN 75 7611 chapter 5	Water, extracts
7.3 ²⁾	Determination of gross beta activity by measuring of evaporated residue by means of proportional detector and determination of gross beta activity corrected for potassium 40 by calculation from measured values	CZ_SOP_D06_07_361 (ČSN 75 7612; Recommendation of SÚJB „Measurement and assessment of the content of natural radionuclides in drinking water from public sources Rev. 1, SÚJB 2012)	Water, extracts
7.4 ²⁾	Determination of radium 226 after concentration by scintillation emanometry	ČSN 75 7622	Water, extracts

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
7.5 ²⁾	Determination of radon 222 by scintillation emanometry after its transportation into scintillation chamber using under-pressure	CZ_SOP_D06_07_363.A (ČSN 75 7624 chapter 5)	Water, extracts
7.6 ²⁾	Determination of radon 222 by scintillation gamma-spectrometry with a well type NaI(Tl) crystal	CZ_SOP_D06_07_363.B (ČSN 75 7624 chapter 6)	Water, extracts
7.7 ²⁾	Determination of radon 222 by liquid scintillation counting method (LSC)	CZ_SOP_D06_07_363.C (ČSN 75 7625)	Drinking water, clear water without sediment
7.8 ²⁾	Determination of uranium by spectrophotometry after its separation on silica gel and determination of uranium 238 activity concentration by calculation from measured values	ČSN 75 7614	Water, extracts
7.9 ²⁾	Determination of tritium volume activity by liquid scintillation counting method (LSC)	ČSN ISO 9698	Water, extracts
7.10 ²⁾	Determination of polonium 210 after its concentration by sorption on ZnS(Ag) by the measurement of emitted scintillations	ČSN 75 7626	Water, extracts
7.11 ²⁾	Determination of polonium 210 after total decomposition and after its concentration by sorption on ZnS(Ag) by the measurement of emitted scintillations	CZ_SOP_D06_07_366 (ČSN 75 7626)	Soils, sludge, sediments, filters
7.12 ²⁾	Non-destructive determination of radionuclides ²⁵⁾ by high resolution gamma-spectrometry and determination of the mass activity index I by calculation using the mass activities of ²²⁶ Ra, ²²⁸ Th and ⁴⁰ K	CZ_SOP_D06_07_367 (ČSN ISO 10 703, SÚJB Recommendation "Measurement and evaluation of natural radionuclides in building materials", SÚJB 2009)	Solid samples with granularity up to 4 mm, food, water, liquid samples
7.13 ²⁾	Determination of gross alpha mass activity by direct measurement of the sample by means of alpha radiation analyzer	CZ_SOP_D06_07_368 (ČSN 75 7611 and ISO 9696)	All solid samples which can be pulverized to 100µm granularity, liquid samples with boiling point above 100 °C
7.14 ²⁾	Determination of gross beta mass activity by direct measurement of the sample by means of beta radiation analyzer	CZ_SOP_D06_07_369 (ČSN 75 7612 and ISO 9697)	All solid samples which can be pulverized to 100µm granularity, liquid samples with boiling point above 100 °C
7.15 ²⁾	Determination of lead 210 after its sorption on ZnS-colloid by beta radiation analyzer	CZ_SOP_D06_07_370 (Health Phys., 46, 1984, No. 5, p. 1131)	Water, extracts (with low content of suspended solids or filtrated through 0.45µm filter)
7.16 ²⁾	Determination of gross alpha activity by co-precipitation method by measurement of filtrated precipitate by means of proportional detector	ČSN 75 7610	Water, extracts
7.17 ²⁾	Calculation of Indicative Dose (ID) ⁶⁶⁾ from the measured values of volume activities of individual radionuclides	CZ_SOP_D06_07_372 (Recommendation of SÚJB „Measurement and assessment of the content of natural radionuclides in drinking water from public sources Rev. 1, SÚJB 2012, Council Directive 2013/51 / EURATOM of 22. 10. 2013)	Water

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
7.18 ²⁾	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00)	Water
7.19 ²⁾	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00, ASTM C1507-12)	Soils, sludge, sediments
7.20 ²⁾	Determination of strontium 90 by proportional detector after separation	CZ_SOP_D06_07_373 (ASTM D5811-00, ASTM C1507-12)	Biological material, food, feed
7.21 ²⁾	Determination of carbon 14 by liquid scintillation method after separation	CZ_SOP_D06_07_374 (ISO 13162:2011, US EPA 520/5-84-006)	Water, soils, sludge, sediments, bio indicators, food

Tests: TRIBOLOGY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
8.1 ¹⁾	Determination of kinematic viscosity by viscometer and viscosity index by calculation	CZ_SOP_D06_05_400 (ČSN EN ISO 3104, ČSN ISO 2909)	Liquid fuels, lubricating oils
8.2 ¹⁾	Determination of flash point - Pensky-Martens closed cup method by flash point analyser	CZ_SOP_D06_05_401 (ČSN EN ISO 2719)	Liquid petroleum products
8.3 ¹⁾	Determination of liquid cleanliness code by particle counter	CZ_SOP_D06_05_402 (User Manual for Lase Net Fines-C use and maintenance, ČSN ISO 4406)	Liquid fuels, lubricating oils
8.4 ¹⁾	Determination of base number by potentiometric titration	CZ_SOP_D06_05_403 (ČSN ISO 3771)	Lubricating oils, additives to lubricants
8.5 ¹⁾	Determination of neutralization number by potentiometric titration	CZ_SOP_D06_05_404 (ČSN ISO 6619)	Lubricating oils, additives to lubricants
8.6 ¹⁾	Determination of water content by Coulometric method	CZ_SOP_D06_05_405 (ASTM D 6304, ČSN EN ISO 12937)	Liquid fuels, lubricating oils
8.7 ¹⁾	Determination of flash point-Cleveland opened-cup method by flash point analyser	CZ_SOP_D06_05_406 (ČSN EN ISO 2592)	Liquid fuels, lubricating oils

Tests: GENERAL FOOD CHEMISTRY

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
9.1 ¹⁾	Determination of organic acids ⁶⁸⁾ content by capillary isotachopheresis method	CZ_SOP_D06_04_450 (Recman - Laboratory technology – Application lists No. 35, 39, 70)	Food
9.2 ¹⁾	Gravimetric determination of fat	CZ_SOP_D06_04_451 (ČSN ISO 1443, ČSN ISO 1444) ČSN 46 7092-7)	Food, feed

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
9.3 ¹⁾	Gravimetric determination of dry matter by and determination of moisture by calculation from measured value	CZ_SOP_D06_04_452 (Journal of AOAC International vol 88, No1,2005; Journal of AOAC International vol 86, No6, 2003)	Food, feed, dietary supplements
9.4 ¹⁾	Determination of nitrate and nitrite by capillary isotachopheresis	CZ_SOP_D06_04_453 (ITP: Application sheet č. 33 VILLA LABECO s.r.o.)	Food, feed
9.5 ¹⁾	Determination of phosphates by capillary isotachopheresis	CZ_SOP_D06_04_454 (ITP: Application sheet č. 35 VILLA LABECO s.r.o.)	Food, feed
9.6 ¹⁾	Gravimetric determination of water extract content	ČSN 58 0113 Article 38	Coffee
9.7 ¹⁾	Determination of acid value and acidity by titration	CZ_SOP_D06_456 (ČSN EN ISO 660)	Animal and vegetable fats and oils
9.8 ¹⁾	Determination of phosphate by indirect method by spectrophotometry	CZ_SOP_D06_04_457 (Veterinary Laboratory Methodology, Food chemistry, Bratislava1990)	Meat and milk products
9.9 ¹⁾	Gravimetric determination of ash	CZ_SOP_D06_04_458 (ČSN 56 0116-4)	Food, feed
9.10 ¹⁾	Determination of crude fibre by oxidation hydrolysis method	CZ_SOP_D06_04_459 (ČSN ISO 5498)	Feed
9.11 ¹⁾	Determination of pH in biological material by potentiometry	CZ_SOP_D06_04_460 (ČSN ISO 2917, ČSN ISO 1842)	Food, feed
9.12 ¹⁾	Determination of sand in biological material by gravimetry	CZ_SOP_D06_04_461 (ČSN 56 0246-12)	Food, feed
9.13 ¹⁾	Determination of relative density of liquids by pycnometry	CZ_SOP_D06_04_462 (ČSN EN 1131)	Low viscosity liquids
9.14 ¹⁾	Titrimetric determination of acidity	CZ_SOP_D06_04_463 (ČSN ISO 750)	Fruit juices, water-soluble food
9.15 ¹⁾	Determination of moisture content – distillation method	CZ_SOP_D06_04_464 (ČSN ISO 939)	Spices, mixed condiments
9.16 ¹⁾	Determination of dietary fibre enzymatically by commercial set Megazym	CZ_SOP_D06_04_465 (AOAC Method 985.29)	Food, dietary supplements
9.17 ¹⁾	Determination of starch content by polarimetry	CZ_SOP_D06_04_466 (ČSN 46 70 92-21)	Cereals, baking products, cereal feeds
9.18 ¹⁾	Determination of chloride by coulometric titration	CZ_SOP_D06_04_467 (O.K.SERVIS company Chloride Analyser manual)	Food, feed, dietary supplements
9.19 ¹⁾	Determination of reducing and non-reducing sugars by titration	CZ_SOP_D06_04_468 (ČSN 56 01 46)	Food, feed, dietary supplements
9.20 ¹⁾	Determination of alkalinity of water-soluble ash by titration	ČSN ISO 1578	Tea
9.21 ¹⁾	Gravimetric determination of total ash	ČSN ISO 1575	Tea
9.22 ¹⁾	Gravimetric determination of water-soluble and water-insoluble ash	ČSN ISO 1576	Tea
9.23 ¹⁾	Gravimetric determination of acid-insoluble ash	ČSN ISO 1577	Tea

**Appendix is an integral part of
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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
9.24 ¹⁾	Gravimetric determination of water extract	ČSN ISO 9768	Tea
9.25 ¹⁾	Gravimetric determination of loos in mass at 103°C	ČSN ISO 1573	Tea
9.26 ¹⁾	Determination of total nitrogen by Dumas method by analyser and protein calculation from measured values	CZ_SOP_D06_04_475 (ČSN EN ISO 14891, ČSN EN ISO16634-1, ČSN P CEN ISO/TS 16634-2)	Food, feed, dietary supplements
9.27 ¹⁾	Volumetric determination of volatile oils (essential oils) by distillation with steam	ČSN EN ISO 6571	Spices, spicing agents, herbs
9.28 ¹⁾	Determination of the weight of consumer packaging of food and animal feeding stuff products by gravimetry	CZ_SOP_D06_04_477 (ČSN 560305, ČSN 570146-3, ČSN 580170-3)	Food, feed, dietary supplements
9.29 ¹⁾	Determination of the meat content in meat products and products containing meat by calculation from measured values ⁶³⁾	CZ_SOP_D06_04_478 (Commission Directive no. 2001/101/EC, Commission Regulation no. 2004/2002/EC, Commission Regulation no. 2429/86/EEC, Decree 330/2009 Coll.)	Meat products
9.30 ¹⁾	Determination of carbohydrates and energy values by calculation from measured values ⁶⁴⁾	CZ_SOP_D06_04_479 (Regulation (EU) 1169/2011, Decree 330/2009 Coll.)	Food, raw materials for production of food, dietary supplements
9.31 ¹⁾	Determination of non-protein contents substances by calculation ⁶⁵⁾	ČSN 46 7092-24	Feed
9.32 ¹⁾	Determination of 4-hydroxyproline by spectrophotometry and determination of collagen by calculation from measured values	CZ_SOP_D06_04_481 (ISO 3496)	Meat products
9.33 ¹⁾	Determination of fat content by NMR method	CZ_SOP_D06_04_482 (Journal of AOAC International vol 88, No1,2005; Journal of AOAC International vol 86, No6, 2003)	Selected food, raw materials for production of food, dietary supplements
9.34 ¹⁾	Volumetric determination of peroxide value	ČSN EN ISO 3960	Fat, vegetable oils
9.35 ¹⁾	Determination of water activity by capacitive sensors method	ČSN ISO 21807	Food, raw materials for production of food, dietary supplements
9.36 ¹⁾	Determination of net muscle protein by calculation from content of collagen and protein	CZ_SOP_D06_04_485 (Decree 69/2016 Coll.)	Meat, meat products
9.37 ¹⁾	Identification of synthetic dyes ⁵⁷⁾ by thin-layer chromatography method	CZ_SOP_D06_04_486 (Davidek J., Laboratory manual of Food Analysis, 1981)	Food
9.38 ¹⁾	Determination of piperine content by spectrophotometry	ČSN ISO 5564 (580192)	Black pepper and white pepper, whole or ground
9.39 ¹⁾	Determination of starch in meat products by titration	CZ_SOP_D06_04_488 (BS 4401 Part 12:1979 Determination of Starch Content of Meat Products)	Meat products
9.40 ¹⁾	Determination of total sulphur dioxide after distillation by titration	CZ_SOP_D06_04_489 (Prof.Ing.J.Davidek, MD. et al.: Laboratory Manual analysis of food, SNTL 1981)	Food and raw materials for food production, dietary supplements

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
9.41 ¹⁾	Determination of total sulphur dioxide after distillation by ITP	CZ_SOP_D06_04_489 (Prof.Ing.J.Davídek, MD. et al.: Laboratory Manual analysis of food, SNTL 1981, Application Note 33 Villa Labeco)	Food and raw materials for food production, dietary supplements
9.42 ¹⁾	Sensory testing – description test	CZ_SOP_D06_04_490 (ČSN ISO 6658, ČSN EN ISO 8589, ČSN EN ISO 13299, ČSN ISO 13300)	Food, cosmetics, packaging materials for food, article of common use
9.43 ¹⁾	Sensory testing – comparison to standard	CZ_SOP_D06_04_491 (ČSN ISO 6658, ČSN EN ISO 8589, ČSN EN ISO 13299, ČSN ISO 13300)	Food, cosmetics, packaging materials for food, article of common use
9.44 ¹⁾	Assessment of characteristics of food	CZ_SOP_D06_04_492 (ČSN EN ISO 8589, ČSN EN ISO 13299, ČSN ISO 13300)	Food
9.45 ¹⁾	Determination of density by density meter	CZ_SOP_D06_04_493 (ČSN 57 0530)	Milk and milk products

Used abbreviations

AHEM	Acta hygienica, epidemiologica et microbiologica
AITM	Airbus Company methods
Animal materials	Insects
BDE	Brominated Diphenyl Ethers
BFR	Brominated flammable retarders
Bio indicators	Freshwater and marine plankton
Biological matrices	Blood, tissues, mother's milk, urine, sweat
Building materials	New or unused materials for building and raw materials for their production
CFA	Flow analyser
Contaminated surfaces	Food spaces, walls after fire, technological plants walls
CPh	Czech Pharmacopoeia
DIN	Deutscher Institut fuer Normung
DM 06/09/94 All. 1 Met. B.	Decree of 06/09/1994 (Decreto Ministeriale 6 settembre 1994, Italy)
EC	electrochemical detection
ECD	Electron capture detector
Emission	Filters, liquid and solid sorption matrices, condensate, fly ash
Extracts	Aqueous extracts of soils, sediments and waste according to valid legislation
Extracts	Extracts are prepared according to standards ČSN EN 12457-2, ČSN EN 12457-3, ČSN EN 12457-4, ČSN CEN/TS 14405, US EPA 1311, US EPA 1312. Extract preparation method identification is always listed on certificate of analysis.
Feed	Products for animal nutrition, PET Food
FID	Flame ionization detector
FLD	Fluorescent detector
Gases	Biogas stations gases, landfill gases
GR	Government Regulation
HRGC/HRMS	High-resolution gas chromatography with high-resolution mass detector
Imission	Filters, solid sorption matrices

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IP	International Petroleum test methods
IR	Infra-red detector
ISE	Ion selective electrode
ISO	International Organization for Standardization
ITP	Isotachophoresis
Liquid samples	Industrial liquids, technological liquids and technological baths
LSC	Liquid Scintillation Counting method for determination of radionuclides emitting alfa or beta radiation
Materials for building	Construction materials (materials from demolitions, building materials from recycling or disposal)
MS	Mass detector
MUFA	Mono-unsaturated fatty acids
NEN	Nederlands Normalisatie-Institut
NIOSH	National Institute for Occupation Safety and Health
NIOSH ¹⁾	Methods for CZ_SOP_D06_03_153 - NIOSH 1400, NIOSH 1450, NIOSH 1457, NIOSH 1500, NIOSH 1501, NIOSH 1003, NIOSH 1005, NIOSH 1007, NIOSH 1022, NIOSH 1602, NIOSH 1609
PDA	Photo-Diode-Array detector
PhEur	European Pharmacopoeia
PUFA	Poly-unsaturated fatty acids
RI	Refractometric detector
SAFA	Saturated fatty acids
Selected food	Food, raw materials for food production, dietary supplements and animal feeding stuff excluding samples of these matrices with moisture higher than 95%, unprocessed grains and condensed milk
SEM/EDS	Scanning Electron Microscope / Energy Dispersive Spectrometer
SFS	The Finish Standard Association – The central organization for standardization in Finland
SM	Standard Methods – USA standard methods for drinking and waste water analyses prepared and issued by American Public Health Association, American Water Works Association a Water Environmental Federation, 21 st edition
Solid samples	Waste (solid, liquid, biowaste), sediments, sludge, technological sludge products, soils, rocks, filters from emission and imission samples
SOP	Standard operating procedure
SPIMFAB	SPI MILJOSANERINGSFOND AB – method of the Association of Swedish Oil Companies
SPMD	Semi-Permeable Membrane Device
SPMD extracts	SPMD from surface water, groundwater and imissions
SÚJB	State Nuclear Safety Institute
Sum of Ca+Mg	Water hardness
TCD	Thermal conductivity detector
TEQ	Toxic equivalent
TFA	Transfatty acids
TNV	Branch Technical Standard of Water Management
Treated water	Dialysis water, aqua purificata, process, industrial, boiler and cooling water, irrigation water, water delivered by piping or taken from various storage tanks
US EPA	U.S. Environmental Protection Agency
USP	U.S. Pharmacopoeia
UV	Ultraviolet detector
Vegetable materials	Green plants (roots, flowers, green parts), pollen
Water	Drinking, packed, natural, mineral, pool, hot, bathing, raw, ground, surface, waste, sea water
Working environment	Filters, solid sorbents, tubes

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Explanation

Volatile organic compounds¹⁾ – 1.1.1.2-Tetrachloroethane, 1.1.1-Trichloroethane, 1.1.2.2-Tetrachloroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.1-Dichloropropylene, 1.2.3-Trichlorobenzene, 1.2.3-Trichloropropane, 1.2.3-Trimethylbenzene, 1.2.4.5-Tetramethylbenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2-Dibromo-3-chloropropane, 1.2-Dibromoethane, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3-Dichlorobenzene, 1.3-Dichloropropane, 1.4-Dichlorobenzene, 1.4-Dioxane, 1-Chloronaphthalene, 2,2-Dichloropropane, 2-Butanol, 2-Butanone, 2-Butoxyethyl Acetate, 2-Ethylhexanol, 2-Ethyltoluene, 2-Chlorotoluene, 2-Methylhexane, 2-Methyl-1-Butanol, 2-Propanol, 3-Ethyltoluene, 3-Carene, 4-Ethyltoluene, 4-Phenylcyclohexene, 4-Chlorotoluene, 4-Isopropyltoluene, Acetone, alpha-Pinene, alpha-Terpinene, Benzene, beta-Pinene, Bromobenzene, Bromodichloromethane, Bromochloromethane, Bromomethane, Bromoform, cis-1.2-Dichloroethene, cis-1.3-Dichloropropene, Cyclohexane, Cyclohexanone, Diacetone Alcohol, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Dichloromethane, Ethanol, Ethyl Acetate, Ethyl tert-Butyl Ether (ETBE), Ethylbenzene, Hexachlorobutadiene, Hexanal, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Isobutyl Acetate, Isobutanol, Isooctane, Isopropylbenzene, Limonene, Methanol, Methyl tert-Butyl Ether, Methylcyclohexane, Methylcyclopentane, Methyl iso-butyl Ketone, Methylmercaptan, Dimethylmercaptan, m-Xylene, Naphthalene, n-Butanol, n-Butyl Acetate, n-Butylbenzene, n-Decane, n-Dodecane, n-Heptane, n-Hexadecane, n-Hexane, n-Nonane, n-Octane, n-Pentane, n-Propanol, n-Propylbenzene, n-Tetradecane, n-Tridecane, n-Undecane, o-Xylene, p-Xylene, Petroleum Hydrocarbons, sec-Butylbenzene, Styrene, tert-Butyl Acetate, tert-Butylbenzene, Tetrahydrofuran, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, trans-1.3-Dichloropropylene, Trichloroethene, Trichlorofluoromethane, Vinyl Acetate, Vinyl Chloride, Sums calculation according to CZ_SOP_D06_03_J02

Volatile organic compounds²⁾ – 1.1.1-Trichloroethane, 1.1.2.2-Tetrachloroethane, 1.1.2-Trichloro-1.2.2-Trifluoroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.2.3-Trichlorobenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2-Dichloro-1.1.2.2-Tetrafluoroethane, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3-Butadiene, 1.3-Dichlorobenzene, 1.4-Dichlorobenzene, 1.4-Dioxane, 2-Butanone, 2-Hexanone, 2-Propanol, 4-Ethyltoluene, Acetone, Acrylonitrile, Benzene, Bromomethane, cis-1.2-Dichloroethene, Cyclohexane, Dichloromethane, Ethanol, Ethylbenzene, Hexachlorobutadiene, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Isooctane, Isopropylbenzene, Methylcyclohexane, Methyl Isobutyl Ketone, m-Xylene, n-Heptane, n-Hexane, n-Propylbenzene, o-Xylene, p-Xylene, Carbon disulfide, Styrene, Tetrahydrofuran, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, trans-1,3-dichloropropene, Trichloroethene, Trichlorofluoromethane, vinyl acetate, vinyl chloride, Sums calculation according to CZ_SOP_D06_03_J02

Volatile organic compounds³⁾ – 1.1.1.2-Tetrachloroethane, 1.1.1-Trichloroethane, 1.1.2.2-Tetrachloroethane, 1.1.2-Trichloroethane, 1.1-Dichloroethane, 1.1-Dichloroethene, 1.1-Dichloropropene, 1.2.3.5-Tetramethylbenzene, 1.2.3-Trichlorobenzene, 1.2.3-Trichloropropane, 1.2.3-Trimethylbenzene, 1.2.4.5-Tetramethylbenzene, 1.2.4-Trichlorobenzene, 1.2.4-Trimethylbenzene, 1.2.5-Trimethylbenzene, 1.2-Dibromo-3-chloropropane, 1.2-Dibromoethane, 1.2-Diethylbenzene, 1.2-Dichlorobenzene, 1.2-Dichloroethane, 1.2-Dichloropropane, 1.3.5-Trichlorobenzene, 1.3.5-Trimethylbenzene, 1.3-Diethylbenzene, 1.3-Dichlorobenzene, 1.3-Dichloropropane, 1.4-Diethylbenzene, 1.4-Dichlorobenzene, 1.4-Dioxane, 1-Ethyl-2-Methylbenzene, 1-Ethyl-2-Methylbenzene, 1-Ethyl-3-Methylbenzene, 1-Ethyl-4-Methylbenzene, 2,2-Dichloropropane, 2-Chlorotoluene, 4-Chlorotoluene, Acetone, Aliphates >C5-C8, Aliphates >C8-C10, Benzene, Bromobenzene, Bromodichloromethane, Bromochloromethane, Bromomethane, Bromoform, cis-1.2-Dichloroethene, cis-1.3-Dichloropropene, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Dichloromethane, Diisopropyl ether, Ethanol, Ethylbenzene, Ethyl tert-Butyl Ether (ETBE), Hexachlorobutadiene, Chlorobenzene, Chloroethane, Chloromethane, Chloroform, Indane, Isobutanol, Isobutyl Acetate, Isopropylbenzene, Methyl ethyl ketone, Methyl isobutyl ketone, Methyl tert-Butyl Ether (MTBE), m-Xylene, Naphthalene, n-Butanol, n-Butyl Acetate, n-Butylbenzene, n-Propylbenzene, o-Xylene, 1-Isopropyltoluene, p-Xylene, sec-Butanol, sec-Butyl Acetate, sec-Butylbenzene, Styrene, TAAE, TBA, tert-Amyl Methyl Ether, tert-Butanol, tert-Butyl Acetate, tert-Butylbenzene, Tetraethyl lead, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, trans-1.3-Dichloropropene, Trichloroethene, Trichlorofluoromethane, Vinyl chloride, Sums calculation according to CZ_SOP_D06_03_J02

Volatile organic compounds⁴⁾ – 1.1-Dichloroethene, 1.2-Dichloroethane, 1.4-Dioxane, Benzene, Dichloromethane, Ethylbenzene, fraction of hydrocarbons C5(C6)-C12, cis-1.2-Dichloroethene, Chloroform, m-Xylene, Naphthalene, o-Xylene, p-Xylene, Styrene, Tetrachloroethene, Tetrachloromethane, Toluene, trans-1.2-Dichloroethene, Trichloroethene, Vinyl chloride, Sums calculation according to CZ_SOP_D06_03_J02

Organic contaminants⁵⁾ – aliphates >C5-C8, aliphates >C8-C10, benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, MTBE (methyl-terc-butylether), 1,2-dichloroethane, 1,2-dibromomethane, aliphates >C10-C12, aliphates >C12-C16, aliphates >C16-C35, 1-ethyl-3-methylbenzene, 1-ethyl-4-methylbenzene, 1-ethyl-2-methylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1,2,3-trimethylbenzene, 1,3-diethylbenzene, 1,4-diethylbenzene, 1,2-diethylbenzene, 1,2,4,5-tetramethylbenzene, naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, biphenyl, 2+1-ethylnaphthalene, 1,7-dimethylnaphthalene, 2,6-dimethylnaphthalene, 1,4+2,3-dimethylnaphthalene, acenaphthylene, 1,8-dimethylnaphthalene, acenaphthene, 2,3,5-trimethylnaphthalene, fluorine, phenanthrene, anthracene, 2-methylantracene, 1-methylantracene, 2-methylphenanthrene, 1-methylphenanthrene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene, benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, indeno-(1,2,3,c,d)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, methylpyrenes/ methylfluoranthenes, methylchrysenes/ methylbenzo-[a]-anthracenes, 1,2-dichlorobenzen, 1,3-dichlorobenzen, 1,2,4-trichlorobenzen, 1,3,5-trichlorobenzen, 1,2,3,4-tetrachlorobenzen, 1,2,4,5-tetrachlorobenzen, 1,2,3,5-tetrachlorobenzen, pentachlorobenzen, hexachlorobenzen, PCB 28, PCB 52, PCB 101, PCB 118, PCB 153, PCB 138, PCB 180, sums calculation according to CZ_SOP_D06_03_J02

Phenols, chlorinated phenols and cresols⁶⁾ – 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,6-dichlorophenol, 2,4+2,5-dichlorophenol, 3,5-dichlorophenol, 2,3-dichlorophenol, 3,4-dichlorophenol, 2,4,6-trichlorophenol, 2,3,6-trichlorophenol, 2,3,5-trichlorophenol, 2,4,5-trichlorophenol, 2,3,4-trichlorophenol, 3,4,5-trichlorophenol, 2,3,5,6-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,4,5-tetrachlorophenol, pentachlorophenol, 4-chloro-2-methylphenol, 2-chloro-6-methylphenol, phenol, o-cresol, m-cresol, p-cresol, 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,5-dimethylphenol, 3,4-dimethylphenol, 1-naftole, 2-naftole, sums calculation according to CZ_SOP_D06_03_J02

Phthalates⁷⁾ – dimethylphthalate, diethylphthalate, di-n-propylphthalate, di-n-butylphthalate, diisobutylphthalate, dipentylphthalate, di-n-octylphthalate, bis-(2-ethylhexyl)-phthalate (DEHP), buthylbenzylphthalate, dicyclohexyl phthalate, di-iso-nonylphthalate, di-iso-decylphthalate, sums calculation according to CZ_SOP_D06_03_J02

Sugars⁸⁾ – glucose, fructose, lactulose, maltose, sucrose

Semi-volatile organic compounds⁹⁾ – acenaphthene, acenaphthylene, anthracene, benzo-(a)-anthracene, benzo-(a)-pyrene, benzo-(a)-fluoranthene, benzo-(b)-fluoranthene, benzo-(g,h,i)-perylene, benzo-(k)-fluoranthene, dibenzo-(a,h)-anthracene, phenanthrene, fluoranthene, fluorine, chrysene, indenopyrene, naphthalene, pyrene, hexachlorobutadiene, hexachloroethane, aldrin, o,p'-DDD, o,p'-DDE, o,p'-DDT, p,p'-DDD, p,p'-DDE, p,p'-DDT, dieldrin, α-

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endosulphane, β -endosulphane, endrin, telodrin, isodrin, heptachlor, cis-heptachloroepoxide, trans-heptachloroepoxide, α -HCH, β -HCH, γ -HCH, δ -HCH, alachlor, methoxychlor, pentachlorobenzene, hexachlorobenzene, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, trifluraline, PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, PCB 194, dichlobenil, ϵ -HCH, octachlorstyrene, di-n-butylphthalate, bis(2-ethylhexyl) phthalate (DEHP), endosulfan-sulphate, mirex, cis-chlordane, trans-chlordane, oxychlordane, cis-nonachlor, trans-nonachlor, PBB 153, pentachlorotoluene, sums calculation according to CZ_SOP_D06_03_J02

Polycyclic aromatic hydrocarbons¹⁰ – naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, indeno-(1,2,3,c,d)-pyrene, coronene, sums calculation according to CZ_SOP_D06_03_J02

Polychlorinated biphenyls¹¹ – PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, sums calculation according to CZ_SOP_D06_03_J02

Organochlorine pesticides¹² – 1,2,3,4-tetrachlorbenzen, 1,2,3,5-tetrachlorbenzen, 1,2,4,5-tetrachlorbenzen, 2,4'-DDD (TDE), 2,4'-DDE, 2,4'-DDT, 4,4'-DDD (TDE), 4,4'-DDE, 4,4'-DDT, alachlor, aldrin, bis(2-ethylhexyl)ftalát (DEHP), cis-heptachlorperoxid, cis-chlordan, cis-nonachlor, dieldrin, dichlobenil, endosulfan-sulfát, endrin, heptachlor, hexabrombifenyl (PBB 153), hexachlorbenzen, hexachlorbutadien, hexachlorethan, isodrin, methoxychlor, mirex, oktachlorstyren, oxychlordan, pentachloraniline, pentachlorbenzen, quintozone, telodrin (isobenzan), toxafen, trans-heptachlorperoxid, trans-chlordan, trans-nonachlor, trifluralin, α -endosulphan, α -HCH, β -endosulphan, β -HCH, γ -HCH (Lindan), δ -HCH, ϵ -HCH, výpočet sum dle CZ_SOP_D06_03_J02

PCDD/PCDF¹³ – 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, OCDD, 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, OCDF, TEQ parameters calculation according to CZ_SOP_D06_06_J02

PCB¹⁴ – PCB101, PCB105, PCB114, PCB118, PCB123, PCB126, PCB138, PCB153, PCB156, PCB157, PCB167, PCB169, PCB170, PCB180, PCB189, PCB209, PCB28, PCB52, PCB77, PCB81, PCB37, sums and TEQ parameters calculation according to CZ_SOP_D06_06_J02

BFR¹⁵ – tri-BDE 28, tetra-BDE 47, tetra-BDE 66, tetra-BDE 77, penta-BDE 85, penta-BDE 99, penta-BDE 100, hexa-BDE 138, hexa-BDE 154, hepta-BDE 183, BDE 203, deca-BDE 209, BB 209, sums calculation according to CZ_SOP_D06_06_J02

Alkylphenols, alkylphenoethoxylates¹⁶ – 4-nonylphenol (mixture of isomers), 4-n-nonylphenol, 4-nonylphenol monoethoxylate (mixture of isomers), 4-nonylphenol diethoxylate (mixture of isomers), 4-nonylphenol triethoxylate (mixture of isomers), 4-tert-octylphenol, 4-tert-octylphenol monoethoxylate, 4-tert-octylphenol diethoxylate, 4-tert-octylphenol triethoxylate, bisphenol A, sums calculation according to CZ_SOP_D06_03_J02

Terpenes¹⁷ – menthol, eucalyptol

Fatty acids¹⁸ – butyric, capronic, caprilic, caprinic, undecanoic, lauric, tridecanoic, myristic, pentadecanoic, palmitic, heptadecanoic, stearic, arachidic, heneicosanoic, behenic, tricosanoic, lignoceric, myristoleic, cis-10-pentadecenoic, palmitoleic, cis-10-heptadecenoic, elaidic, oleic, cis-11-eicosenoic, erucic, nervonic, linolelaidic, linoleic, γ -linolenic, linolenic, cis-11,14-eicosadienoic, cis-8,11,14-eicosatrienoic, cis-11,14,17-eicosatrienoic, arachidonic, cis-13,16-docosadienoic, cis-5,8,11,14,17-eicosapentaenoic, cis-4,7,10,13,16,19-docosahexaenoic, elaidic

Pesticides¹⁹ – allethrin, anilazine, azinphos-ethyl, azinphos-methyl, benalaxyl, bifenthrin, bromacil, bromophos-ethyl, bromophos-methyl, bromopropylate, buprofezin, cadusafos, captafol, captan, carbaryl, carbophenothion, coumaphos, cypermethrin-alpha, cypermethrin-beta, cyprodinil, diazinon, diclofop-methyl, dicloran, dicofol, dichlobenil, dichlofenthion, dichlofluamid, dichlorvos, dimethachlor, dimethoate, dinobuton, dioxathion, disulfoton, ditalimfos, endosulfansulfat, epoxiconazole, ethion, ethoprophos, etrimfos, fenamiphos, fenazaquin, fenchlorphos, fenitrothion, fenpropathrin, fenson, fensulfthion, fenthion, fenvalerate, fludioxonil, flusilazole, folpet, fonofos, formothion, heptenophos, hexaconazole, chlornane-cis, chlornane-trans, chlorfenson, chlorfenvinphos, chlorothalonil, chlorpropham, chlorpyrifos, chlorpyrifos-, chlozolinate, imazalil, iodofenphos, iprodione, isofenphos, malaaxon, malathion, mecarbam, mepronil, metalaxyl, methacrifos, methidathion, methiocarb, metribuzin, mevinphos-cis, mevinphos-trans, mirex, myclobutanil, napropamide, nitrothal-isopropyl, nuarimol, ofurace, oxadixyl, oxyfluorfen, paraoxon-ethyl, paraoxon-methyl, parathion, parathion-methyl, penconazole, pendimethalin, pentachloranisol, pentachloroaniline, permethrin, phenthoate, phorate, phosalone, phosmet, phosphamidon, piperonylbutoxide, pirimiphos-ethyl, pirimiphos-methyl, procymidone, profenofos, propachlor, propargite, propiconazole, propyzamide, prothiophos, pyrazophos, pyridaben, pyrifidaben, pyrifenox, pyrimethanil, pyriproxyfen, quinalphos, quintozone, sulfallate, sulfotepe, tebuconazole, tebufenpyrad, tecnazene, terbacil, terbufos, tetradifon, tetrachlorvinphos, tetramethrin, tetrasul, tolclfos-methyl, tolylfluamid, triadimefon, triazophos, vinclozolin

Organochlorine pesticides²⁰ – α -HCH, β -HCH, γ -HCH, δ -HCH, chlorobenzene, p,p'-DDT, o,p'-DDT, p,p'-DDE, p,p'-DDD

Aniline and aniline derivatives²¹ – p-chloroaniline

Vitamine D²² – vitamine D2 and vitamine D3

Substitute sweeteners²³ – aspartame, acesulfam-K, saccharine, neohesperidine DC

Preservatives²⁴ – sorbic acid, benzoic acid

Radionuclides²⁵ – Radionuclides emitting gamma rays in the energy interval 46.5 – 1836 keV – Natural Radionuclides ^{40}K , ^{210}Pb , ^{222}Rn (^{226}Ra), ^{223}Ra (^{227}Ac), ^{224}Ra , ^{226}Ra , ^{228}Ra (^{232}Th), ^{227}Th (^{227}Ac), ^{228}Th , ^{230}Th , ^{234}Th (^{238}U), ^{231}Pa , ^{235}U ; Artificial Radionuclides ^7Be , ^{54}Mn , ^{57}Co , ^{60}Co , ^{65}Zn , ^{88}Y , $^{99\text{m}}\text{Tc}$, ^{109}Cd , ^{131}I , ^{133}Ba , ^{134}Cs , ^{137}Cs , ^{152}Eu , ^{192}Ir , ^{241}Am

Glycols²⁶ – 1,2-propandiol, monopropylenglycol (as C), ethylenglycol, ethylenglycol (as C), 1,3-butandiol, diethylenglycol, diethylenglycol (as C), triethylenglycol, triethylenglycol (as C)

Semi-volatile organic compounds (isotopic dilution)²⁷ – naphthalene, acenaphthylene, acenaphthene, fluorine, phenanthrene, anthracene, fluoranthene, pyrene, benzo-(a)-anthracene, chrysene, benzo-(b)-fluoranthene, benzo-(k)-fluoranthene, benzo-(a)-pyrene, dibenzo-(a,h)-anthracene, benzo-(g,h,i)-perylene, indeno-(1,2,3,c,d)-pyrene, PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, hexachlorbenzene, sums calculation according to CZ_SOP_D06_03_J02

Alkylphenols, alkylphenoethoxylates²⁸ – 4-nonylphenol (mixture of isomers), 4-nonylphenol monoethoxylate (mixture of isomers), 4-nonylphenol diethoxylate (mixture of isomers), 4-nonylphenol triethoxylate (mixture of isomers), 4-tert-octylphenol, 4-tert-octylphenol monoethoxylate, 4-tert-octylphenol diethoxylate, 4-tert-octylphenol triethoxylate, sums calculation according to CZ_SOP_D06_03_J02

Acid herbicides, drug residues and other pollutants²⁹ – 2,4,5-T, 2,4,5-TP, 2,4-D, 2,4-DB, 2,4-DP, 2,4-DP (isomers), 4-CPP, acifluorfen, aminopyralide, bentazone, bromoxynil, caffeine, clopyralid, dicamba, dichlorprop-P, diclofenac, diclofop, dinoseb, dinoterb, DNOC, fluroxypyr, ibuprofen, ioxynil, MCPA, MCPB, MCPP, MCPP (isomers), mecoprop-P, picloram, propoxycarbazone-sodium, triclopyr, triclosan, sums calculation according to CZ_SOP_D06_03_J02

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Acid herbicides and drug residues^{29A)} - 2,4,5-T, 2,4,5-TP, 2,4-D, 2,4-DB, 2,4-DP (isomers), 4-CPP, acifluorfen, bentazone, bromoxynil, dicamba, diclofop, dinoseb, DNOC, fluroxypyr, ioxynil, MCPA, MCPB, MCPP (isomers), propoxycarbazone-sodium, triclopyr, triclosan sums calculation according to CZ_SOP_D06_03_J02

Pesticides, pesticide metabolites, drug residues and other pollutants³⁰⁾ - 1-(3,4-dichlorfenyl) urea (DCPU), 17-alpha-ethinylestradiol, 17-beta-estradiol, 1H-benzotriazole, 1-methyl-1H-benzotriazole, 2-aminobenzothiazole, 2-amino-N-(isopropyl)benzamide, 2-chlor-2,6-diethylacetanilide, 2-hydroxybenzothiazole, 2-isopropyl-6-methyl-4-pyrimidinol, 2-methylbenzothiazole, 2-methylmercaptobenzothiazole 3,4-dichloraniline (DCA), 3-chloro-4-methylaniline, 5-methyl-1H-benzotriazole, 6-chloronicotinic acid, acetamiprid, acetochlor, acetochlor ESA, acetochlor OA, acibenzolar-S-methyl, aclonifen, acrinathrin, acrylamide, alachlor, alachlor ESA, alachlor OA, aldicarb, aldicarb sulfone, aldicarb sulfoxide, aldoxycarb, allethrin, ametryn, amidithion, amidosulfuron, amitraz, anilazin, asulam, atraton, atrazine, atrazine-2-hydroxy, atrazine-desethyl, atrazine-desisopropyl, atrazine-desisopropyl, azaconazole, azinphos-ethyl, azinphos-methyl, azoxystrobin, azoxystrobin o-demethyl, BAM (2,6-dichlorbenzamid), BDMC, benalaxyl, bendiocarb, bentazone, bentazone methyl, beta.cyfluthrin, bifenox, bifenthrin, bitertanol, boscalid, bromacil, bromophos-ethyl, bromoxynil, buprofezin, cadusafos, carbamazepine, carbaryl, carbendazim, carbetamide, carbofuran, carbofuran-3-hydroxy, carboxin, carfentrazone-ethyl, chlorantraniliprole, chlorbromuron, chlorfenvinphos, chloridazon, chloridazon-desphenyl, chloridazon-methyl desphenyl, chlormequat, chlorotoluron, chlortoluron-desmethyl, chloroxuron, chlorpropham, chlorpyrifos, chlorpyrifos-methyl, chlorsulfuron, clodinafop, clodinafop propargyl, clofentezine, clomazone, clomeprop, clothianidin, coumafos, crimidine, cyanazin, cybutrine (irgarol), cyflufenamid, cymoxanil, cypermethrin, cyphenothrin, cyprazin, cyproconazole, cyprodinil, cyromazine, DEET, deltamethrin (isomers), desmedipham, desmetryn, diazinon, dichlorfenthion, dichlormid, dichlorvos, dicrotophos, diethofencarb, difenoconazole, difenoxuron, diflubenzuron, diflufenican, diquat, dimefuron, dimethachlor, dimethachlor ESA, dimethachlor OA, dimethenamid, dimethylaminosulfanilide, dimethoate, dimetomorf, dimoxystrobin, diuron, diuron desmethyl (DCPMU), epoxiconazole, EPTC, estriol, estron, ethiofencarb, ethion, ethofumesate, ethoprophos, ethoxazole, famoxadone, famphur, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenarimol, fenhexamid, fenothiocarb, fenoxaprop, fenoxycarb, fenpropathrin, fenpropidin, fenpropimorph, fensulfotion, fenuron, fipronil, fipronil sulfone, florasulam, fluazifop, fluazifop-butyl, fluazifop-butyl (isomers), fluazifop-P, fluazifop-p-butyl, fludioxonil, fluopyram, fluquinconazole, flusilazol, flutolanil, fonofos, foramsulfuron, fosthiazate, furalaxyl, furathiocarb, haloxypop, haloxypop-2-ethoxyethyl, haloxypop-methyl (isomers), haloxypop-p-methyl, hexaconazole, hexazinone, hexythiazox, imazalil, imazamethabenz-methyl, imazamox, imazapyr, imazethapyr, imidacloprid, imidacloprid olefin, imidacloprid urea, indoxacarb, iprodione, iprovalicarb, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, isopyrazam, kresoxim-methyl, lambda-cyhalothrin, lenacil, linuron, malaaxon, malathion, mandipropamid, MCPA, MCPP (isomers), mecarbam, mephenpyr-diethyl, mepiquat, mesosulfuron-methyl, mesotrion, mestranol, metalaxyl, metalaxyl (isomers), metamitron, metazachlor, metazachlor ESA, metazachlor OA, methabenzthiazuron, methamidophos, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methomyl oxime, methoxyfenozide, metconazole, metobromuron, metolachlor, metolachlor (isomers), metolachlor (S), metolachlor ESA, metolachlor OA, metoxuron, metrafenone, metribuzin, metribuzin-desamino, metribuzin-desamino diketo, metribuzin-diketo, metsulfuron-methyl, molinate, monocrotophos, monolinuron, monuron, myclobutanil, napropamide, naptalam, neburon, nicosulfuron, norflurazon, nuarimol, omethoate, oxadiazon, oxadixyl, oxamyl, oxyfluorfen, paclobutrazol, paraquat, paraoxon-ethyl, paraoxon-methyl, parathion-ethyl, penconazole, pencycuron, pendimethalin, permethrin, pethoxamid, phenmedipham, phenothrin, phorate, phosalone, phosmet, phosmet-oxon, phosphamidon, picloram, picoxystrobin, pirimicarb, pirimiphos-ethyl, pirimiphos-methyl, p-isopropylaniline, pretilachlor, primisulfuron-methyl, prochloraz, prodiamine, profenofos, promecarb, prometon, prometryn, propachlor, propachlor ESA, propachlor OA, propamocarb, propanil, propaquizafop, propazine, propham, propiconazole, propoxur, propoxycarbazone-sodium, propylen thiourea, propyzamide, prosulfocarb, prothioconazole, pyraclostrobin, pyribenzoxim, pyridaben, pyrimethanil, pyriproxyfen, quinalphos, quinalphos, quinmerac, quinoxyfen, quizalofop, quizalofop-p-ethyl, rimsulfuron, sebuthyllazine, sebumeton, sedaxane, sethoxydim, simazine, simazine-2-hydroxy, simetryn, spiroxamine, sulfamethoxazole, sulfosulfuron, tau-fluvalinate, tebufenpyrad, tebuconazole, tebutiuron, teflubenzuron, tefluthrin, terbuthylazine, terbuthylazine-desethyl, terbuthylazine-desethyl-2-hydroxy, terbuthylazine-hydroxy, terbutryn, tetramethrin, thiabendazole, thiacloprid, thiametoxam, thiazafurion, thidiazuron, thifensulfuron-methyl, thiobencarb, thiofanate-methyl, tolclofos-methyl, triadimefon, triadimenol, tri-allate, triasulfuron, triazophos, tribenuron-methyl, tricyclazole, trifloxystrobin, trifloxysulfuron sodium, triflumizole, triflururon, triflusaluron-methyl, triflorfen, trinexapac-ethyl, triticonazole, tritosulfuron, warfarin, zoxamide, sums calculation according to CZ_SOP_D06_03_J02

Pesticides, pesticide metabolites and drug residues^{30A)} - 6-chloronicotinic acid, acetamiprid, acetochlor, alachlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, ametryn, amitraz, atrazine, atrazine-2-hydroxy, atrazine-desethyl, atrazine-desisopropyl, azoxystrobin, bifenthrin, boscalid, cadusafos, carbaryl, carbofuran, carbofuran-3-hydroxy, chlorfenvinphos, chlormequat, chlorotoluron, chlorpyrifos, clomazone, clothianidin, cyanazine, cyhalothrin (isomers), cypermethrin (isomers), cyproconazole, deltamethrin (isomers), desmetryn, diazinon, dichlorvos, dicrotophos, dimethoate, dimoxystrobin, diquat, diuron, epoxiconazole, fenoxycarb, fipronil, fipronil sulfone, fonofos, hexazinone, imidacloprid, imidacloprid olefin, imidacloprid urea, indoxacarb, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, kresoxim-methyl, malaaxon, malathion, mepiquat, metamitron, metazachlor, metconazole, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methomyl-oxime, metolachlor (isomers), metribuzin, paraquat, pendimethalin, permethrin (isomers), pethoxamid, phorate, phosalone, phosmet, phosmet-oxon, phosphamidon, pirimicarb, prochloraz, prometon, prometryn, propazin, propoxur, pyrimethanil, sebuthyllazine, simazine, simetryn, tau-fluvalinate, tebuconazole, terbuthylazin, terbuthylazin-desethyl, terbuthylazine-hydroxy, terbutryn, thiamethoxam, sums calculation according to CZ_SOP_D06_03_J02

Pesticides, pesticide metabolites and drug residues^{30B)} - 6-chloronicotinic acid, acetamiprid, acetochlor, alachlor, aldicarb, aldicarb sulfone, aldicarb sulfoxide, amitraz, azoxystrobin, bifenthrin, boscalid, cadusafos, carbaryl, carbofuran, carbofuran-3-hydroxy, chlormequat, chlorpyrifos, clomazone, clothianidin, cyhalothrin (isomers), cypermethrin (isomers), cyproconazole, deltamethrin (isomers), diazinon, dichlorvos, dicrotophos, dimethoate, dimoxystrobin, diquat, epoxiconazole, fenoxycarb, fipronil, fipronil sulfone, imidacloprid, imidacloprid olefin, imidacloprid urea, indoxacarb, isoproturon, isoproturon-desmethyl, isoproturon-monodesmethyl, kresoxim-methyl, malaaxon, malathion, mepiquat, metazachlor, metconazole, methidathion, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, methomyl-oxime, paraquat, permethrin (isomers), pethoxamid, phosalone, phosmet, phosmet-oxon, phosphamidon, pirimicarb, prochloraz, propoxur, pyrimethanil, tau-fluvalinate, tebuconazole, thiacloprid, thiamethoxam, sums calculation according to CZ_SOP_D06_03_J02

Pesticides MS detection³¹⁾ - 2,6-dichloroaniline, azinphos methyl, bromophos-ethyl, bromocyclen, butralin, captan, carbophenothion, demeton-S-methyl, diazinon, dichlorvos, dimethoate, dimethipin, ethion, fenamiphos, fenthion, chlordecon, chlorfenvinphos, chlorpyrifos, chlorpyrifos methyl, malathion, monocrotophos, parathion ethyl, parathion methyl, phorate, phosmet, pirimiphos ethyl, prothiofos, fenitrothion, temephos, sums calculation according to CZ_SOP_D06_03_J02

Pesticides and their metabolites MS detection³²⁾ - amitrole, AMPA, glufosinate, glufosinate ammonium, glyphosate, sums calculation according to CZ_SOP_D06_03_J02

Complexing substances³³⁾ - EDTA, PDTA a NTA

Halogen compounds³⁴⁾ - chloroalkanes C10-C13, C14-C17

SAFA, MUFA, PUFA, TFA, Omega 3, Omega 6³⁵⁾ - SAFA – butyric (C4:0), caproic (C6:0), caprylic (C8:0), capric (C10:0), undecanoic (C11:0), lauric (C12:0), tridecanoic (C13:0), miristic (C14:0), pentadecanoic (C15:0), palmitic (C16:0), heptadecanoic (C17:0), stearic (C18:0), arachidic (C20:0),

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heneicosanoic (C21:0), behenic (C22:0), tricosanoic (C23:0), lignoceric (C24:0), **MUFA** - myristoleic (C14:1), cis-10-pentadecenoic (C15:1), palmitoleic (C16:1), cis-10-heptadecenoic (C17:1), oleic (C18:1n9c), cis-11-eicoseinic (C20:1), erudic (C22:1n9), nervonic (C24:1), **PUFA** - linolelaidic (C18:2n6c), linoleic (C18:3n6), γ -linoleic (C18:3n3), cis-11,14-eicosadienoic (C20:2), cis-8,11,14-eikosatrienoic (C20:3n6), cis-11,14,17-eikosatrienoic (C20:3n3), arachidonic (C20:4n6), cis-13,16-docosadienoic (C22:2), cis-5,8,11,14,18-eikosapentaenoic (C20:5n3), cis-4,7,10,13,16,19-docosahexaenoic (C22:6n3), **TFA** - elaidic (C18:1n9t), linolelaidic (C18:2n6t), C18:3 trans isomery, **Omega 3** - linoleic (C18:3n3), cis-11,14,17-eicosatrienoic (C20:3n3), cis-5,8,11,14,18-eicosapentaenoic (C20:5n3), cis-4,7,10,13,16,19-docosahexaenoic (C22:6n3), **Omega 6** - lineleic (C18:2n6c), γ -linoleic (C18:3n6), cis-8,11,14-eikosatrienoic (C20:3n6), arachidonic (C20:4n6), cis-11,14,eikosadienoic (C20:2), cis-13,16-dokosadienoic (C22:2)

Derivatives of polycyclic aromatic hydrocarbons³⁶⁾ - acridine, 9,10-anthracenequinone, benz[a]anthracene-7,12-dione, benzo[h]quinoline, 1,5-dinitronaphthalene, 9H-fluoren-9-one, 2-fluorene-carboxaldehyde, 1-naphthalene-carboxaldehyde, 5,12-naphthalenedione, 1-nitronaphthalene, 5-nitroacenaphthene, 9-nitroanthracene, nitropyrene, nitrofluoranthene, 6-nitrobenzo(a)pyrene, 2-nitrofluorene, 9,10-phenanthrenequinone, phenanthridine

Organic acids³⁷⁾ - formic acid, acetic acid, caproic acid, butyric acid, isobutyric acid, lactic acid, propionic acid, valeric acid, isovaleric acid

Gases³⁸⁾ - methane, ethane, ethylene, acetylene

Polychlorinated biphenyls³⁹⁾ - PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180, PCB194, sums calculation according to CZ_SOP_D06_03_J02

Phenols and cresols⁴⁰⁾ - phenol, o-cresol, m-cresol, p-cresol, 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,5-dimethylphenol, 3,4-dimethylphenol, sums calculation according to CZ_SOP_D06_03_J02

Elements⁴¹⁾ - Ag, Al, As, Au, B, Ba, Be, Bi, Br, Ca, Cd, Ce, Co, Cr, Cr(VI), Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hg, Ho, I, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr

Elements⁴²⁾ - Ag, Al, As, Au, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cr(VI), Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nd, Ni, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, Sb, Sc, Se, Sm, Sn, Sr, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr

Elements⁴³⁾ - Ag, Al, As, Ba, Be, Bi, Br (water extractable), Ca, Cd, Co, Cr, Cs, Cu, Fe, I (water extractable, total), K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rb, Rh, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, Zn, Zr

Elements⁴⁴⁾ - Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rb, Rh, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, Zn, Zr

Elements⁴⁵⁾ - Ag, Al, As, Au, Ba, Be, Bi, Br (loužitelný vodou), Ca, Cd, Co, Cr, Cr(VI), Cu, Fe, I (loužitelný vodou), K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Pd, Pt, Rh, Sb, Se, Sn, Sr, Te, Ti, Tl, U, V, Zn, Zr

Semi volatile organic compounds⁴⁶⁾ - Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benz(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Dibenz(a,h)anthracene, Benzo(g,h,i)perylene, Indeno(1,2,3,c,d)pyrene, Coronene, PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180

Elements⁴⁷⁾ - Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cr(VI), Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Se, Si, Sn, Sr, Te, Ti, Tl, V, Zn, Zr

CO₂ forms⁴⁸⁾ - carbonates, bicarbonates, free CO₂, total CO₂, aggressive CO₂

Elements⁴⁹⁾ - Ag, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, Pb a Zn

Elements⁵⁰⁾ - Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, S, Se, Sb, Si, Sr, Sn, Te, Th, Ti, Tl, U, V, W, Zn a Zr

Calculation forms of elements⁵¹⁾ - sum of Na + K, ionic form Cr and Fe (Cr³⁺, Fe³⁺), compounds Na₂O, P₂O₅, SiO₃ a SiO₂

Stoichiometric calculation⁵²⁾ - ion form Cr³⁺, compound PO₄³⁻

Stoichiometric calculation⁵³⁾ - compound NaCl

Polycyclic aromatic hydrocarbons⁵⁴⁾ - naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)-pyrene, benzo-(e)-pyrene, benzo-(j)-fluoranthene, benzo-(c)-phenanthrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, indeno(1,2,3,c,d)pyrene, phenanthrene-1-methyl, 2-methyl-phenanthrene, 3-methyl-phenanthrene, 4-methyl-phenanthrene, 9-methyl-phenanthrene sums calculation according to CZ_SOP_D06_06_J03

Chlorinated phenols⁵⁵⁾ - 2-amino-4-chlorophenol

Drug Residues⁵⁶⁾ - anastrozole, atenolol, azathioprine, beclomethasone dipropionate, capecitabine, cyclosporin, cyproteron acetate, diazepam, fluticasone propionate, loperamide hydrochloride, medroxyprogesterone acetate, megestrol acetate, methotrexate, methylprednisolone acetate, metronidazole, mometasone furoate, mycophenolate mofetil, paclitaxel, sotalol hydrochloride, tacrolimus, thebain, tramadol hydrochloride, triamcinolone acetonide, valsartan, zolpidem tartarate

Synthetic dyes⁵⁷⁾ - **E102** (Tartrazine), **E104** (Quinoline yellow), **E110** (Yellow SY), **E122** (Azorubin), **E123** (Amaranth), **E124** (Ponceau 4R), **E127** (Erythrosin), **E129** (Allura Red AC), **E131** (Patent Blue V), **E132** (Indigotine), **E133** (Brilliant Blue), **E142** (Green S), **E151** (Black BN)

Perfluorinated compounds⁵⁸⁾ - Perfluorobutanoic acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perfluorododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTrDA), Perfluorotetradecanoic acid (PFTeDA), Perfluorobutane sulfonic acid (PFBS), Perfluorohexane sulfonic acid (PFHxS), Perfluoroheptane sulfonic acid (PFHpS), Perfluorooctane sulfonic acid (PFOS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoDS), 6:2 Fluorotelomer sulfonic acid (6:2 FTS), 8:2 Fluorotelomer sulfonic acid (8:2 FTS), Perfluorooctane sulfonamide (FOSA), N-Methyl perfluorooctane sulfonamide (MeFOSA), N-Ethyl perfluorooctane sulfonamide (EtFOSA), N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE), N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE), Hexabromocyclododecane (HBCD), Tertabromobisphenol-A (TBBP-A)

Perfluorinated compounds^{58A)} - Perfluorobutanoic acid (PFBA), Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), Perfluorooctanoic acid (PFOA), Perfluorononanoic acid (PFNA), Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnDA), Perfluorododecanoic acid (PFDoDA), Perfluorotridecanoic acid (PFTrDA), Perfluorotetradecanoic acid (PFTeDA), Perfluorohexadecanoic acid (PFHxDA), Perfluorooctadecanoic acid (PFOcDA), Perfluorobutane sulfonic acid (PFBS), Perfluorooctane sulfonic acid (PFOS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoDS), Perfluorohexane sulfonic acid (PFHxS), Perfluoroheptane sulfonic acid (PFHpS), Perfluorooctane sulfonic acid (PFOS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoDS), 6:2 Fluorotelomer sulfonic acid (6:2 FTS), 8:2 Fluorotelomer sulfonic acid (8:2 FTS), Perfluorooctane sulfonamide (FOSA), N-Methyl perfluorooctane sulfonamide (MeFOSA), N-Ethyl perfluorooctane sulfonamide (EtFOSA), N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE), N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE), Hexabromocyclododecane (HBCD), Tertabromobisphenol-A (TBBP-A)

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(PFHxS), Perfluoroheptane sulfonic acid (PFHpS), Perfluorooctane sulfonic acid (PFOS), Perfluorononane sulfonic acid (PFNS), Perfluorodecane sulfonic acid (PFDS), Perfluorododecane sulfonic acid (PFDoS), 4:2 Fluorotelomeric sulfonate (4:2 FTS), 6:2 Fluorotelomer sulfonic acid (6:2 FTS), 8:2 Fluorotelomer sulfonic acid (8:2 FTS), 10:2 Fluorotelomeric sulfonate (10:2 FTS), Perfluorooctane sulfonamide (FOSA), N-Methyl perfluorooctane sulfonamide (MeFOSA), N-Ethyl perfluorooctane sulfonamide (EtFOSA), Perfluorooctane sulfonamidoacetic acid (FOSAA), N-methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA), N-ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA), 7H-perfluoroheptanoic acid (HPFHpA), Perfluoro-3,7-dimethyloctanoic acid (P37DMOA), N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE), N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE), Hexabromocyclododecane (HBCD), Tertabromobisphenol-A (TBBP-A)

Volatile organic compounds⁵⁹⁾ – Benzene, Toluene, Ethylbenzene, m-Xylene, p-Xylene, Styrene, o-Xylene, Methanol, Ethanol, Acetone, Benzene, Ethyl Acetate, Isobutanol, n-Butanol, 2-Butanol, Isobutyl Acetate, Butyl Acetate, tert-Butyl Acetate

Elements⁶⁰⁾ - Ag, Al, As, Au, B, Ba, Be, Bi, Br (loužitelný vodou) Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hg, Ho, I (loužitelný vodou) In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Os, P, Pb, Pd, Pr, Pt, Rb, Rh, Ru, Sb, Sc, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr

Drug residues⁶¹⁾ - 17-alpha-ethinylestradiol, 17-beta-estradiol, anastrozole, atenolol, azathioprine, buprenorphine, butorphanol, caffeine, capecitabine, carbamazepine, chloramphenicol, clofibrac acid, cyclobenzaprine, cyclophosphamide, ciprofloxacin, cyproterone acetate, diazepam, diclofenac, enalapril, estriol, estrone, flutamide, fluticasone propionate, furosemide, gemfibrozil, hydrochlorothiazide, ibuprofen, ifosfamide, iohexol, iomeprol, iopamidol, iopromide, ketoprofen, loperamide, medroxyprogesterone acetate, megestrol acetate, metoprolol, metronidazole, mycophenolate mofetil, naproxen, oxazepam, paclitaxel, paracetamol (acetaminophen), piroxicam, propranolol, salbutamol, sotalol, sulfamethoxazole, terbutaline, tramadol, triamcinolone acetonide, trimethoprim, valsartan, warfarin, zolpidem

Organic Acides⁶²⁾ - acetic acid, propionic acid, isobutyric acid, butyric acid, isovaleric acid, valeric acid, isocaproic acid, caproic acid, heptanoic acid

Meat contend calculation⁶³⁾ – calculated from the results of the determination of ash according to CZ_SOP_D06_04_458, protein according to CZ_SOP_D06_04_475, moisture according to CZ_SOP_D06_04_452, fat according to CZ_SOP_D06_04_482, hydrosiproline according to CZ_SOP_D06_04_481

Determination of carbohydrates and energy value⁶⁴⁾ - calculated from the results of the determination of ash according to CZ_SOP_D06_04_458, protein according to CZ_SOP_D06_04_475, moisture according to CZ_SOP_D06_04_452, fat according to CZ_SOP_D06_04_482, dietary fibre according to CZ_SOP_D06_04_465

Determination of non-protein content substances⁶⁵⁾ – calculated from the results of the determination of moisture according to CZ_SOP_D06_04_452, total nitrogen according to CZ_SOP_D06_04_475, fat according to CZ_SOP_D06_04_482, ash according to CZ_SOP_D06_04_458, crude fibre according to CZ_SOP_D06_04_465

The calculation of indicative dose (ID)⁶⁶⁾ – calculated from the results of determination of Radium 226(CSN 75 7626), Uranium (CSN 75 7614), Tritium (ISO 9698), Polonium 210 (CSN 75 7626), radionuclides determined using high resolution gamma rays spectrometry (CZ_SOP_D06_07_367), Lead 210 (CZ_SOP_D06_07_370), Strontium 90 (CZ_SOP_D06_07_373) and Carbon 14 (CZ_SOP_D06_07_374)

Surface waters⁶⁷⁾ for chlorophyll determination – flowing watercourses, stagnant wates – lakes, reservoirs, ponds and seawater

Organic acids⁶⁸⁾ – Propionic acid, Citric acid

Annex:

Flexible range of accreditation

Ordinal numbers of tests
1.1 - 1.12; 1.15 - 1.18; 1.51; 1.67 - 1.70; 1.84; 1.91; 1.113 - 1.116; 1.122 - 1.126; 1.128; 1.131 - 1.132; 1.138; 1.140; 1.146; 1.151 - 1.152; 1.163 - 1.165; 1.178
2.1 – 2.34; 2.38 - 2.41; 2.43 - 2.46; 2.51 - 2.55; 2.57 - 2.76; 2.78 - 2.86; 2.88 – 2.90
3.1 – 3.15; 3.21; 3.25; 3.27
4.9; 4.10; 4.21
6.1 – 6.11
7.3; 7.17
9.1; 9.37

The laboratory can modify the appendix test methods in the field of accreditation, while maintaining the principle of measurement. In tests not included in Appendix; laboratory cannot apply a flexible approach to the scope of accreditation

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SAMPLING

Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
1 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of grab sample of surface water manually	CZ_SOP_D06_07_V01 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14)	Surface water
2 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of grab sample of waste water manually	CZ_SOP_D06_07_V02 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14,)	Waste water
3 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of drinking water and hot drinking water manually	CZ_SOP_D06_07_V03 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN EN ISO 5667-14, ČSN EN ISO 5667-21, ČSN EN ISO 19458, Regulation 252/2004 Sb., Regulation SÚJB č. 307/2002 Sb.)	Drinking water, hot drinking water
4 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of mixed sample of waste water manually and using an automatic sampler	CZ_SOP_D06_07_V04 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-10, ČSN EN ISO 5667-14)	Waste water
5 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of treated water manually	CZ_SOP_D06_01_V05 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-5, ČSN ISO 5667-7, ČSN EN ISO 5667-14)	Treated water
6 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of water from artificial pool manually	CZ_SOP_D06_01_V06 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-4, ČSN ISO 5667-5, ČSN EN ISO 5667-6, ČSN EN ISO 5667-14, ČSN EN ISO 19458, ČSN EN ISO 15288-2, Regulation č. 238/2011 Sb.)	Pools water and filling water of artificial pools
7 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of grab sample of ground water manually and using pumps	CZ_SOP_D06_07_V07 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-11, ČSN EN ISO 5667-14)	Ground water from boreholes and wells
8 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of surface swab manually	CZ_SOP_D06_07_V08 (ČSN 56 0100:1994, ČSN ISO 18593, Regulation 289/2007 Sb., ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN EN ISO 5667-14)	Contaminated surfaces
9 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of the sludge from sewage and treatment plants manually	CZ_SOP_D06_07_V09 (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 19458)	Sludge from water treatment plants, sludge dumps
10 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of bottom sediments manually	CZ_SOP_D06_07_V10 (ČSN EN ISO 5667-1, ČSN EN ISO 5667-3, ČSN ISO 5667-12, ČSN EN ISO 5667-14, ČSN EN ISO 5667-15, ČSN ISO 5667-17)	Bottom sediments from streams and reservoirs
11 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of soils manually	CZ_SOP_D06_07_V11 (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, 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 ČSN 015110, ČSN 015111, ČSN EN 14899, ČSN EN ISO 19458, ČSN ISO 10381-6)	Soils

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Ordinal number	Test procedure/Method name	Test procedure/Method identification	Tested object
12 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Sampling of waste manually	CZ_SOP_D06_07_V12 (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, 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, ČSN 015110, ČSN 015111, ČSN 015112, ČSN EN 14899, ČSN EN ISO 19458, ČSN EN ISO 3170, Methodological Guide of ME for Waste Sampling 2008, 101s)	Waste
13 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Air sampling by personal pump	CZ_SOP_D06_07_V13 (ČSN EN 481, ČSN EN 482+A1, ČSN EN 689, GR č. 361/2007 Coll.)	Working environment
14 ¹⁾	Sampling of food by random sampling method	CZ_SOP_D06_04_V14 (Decree 211/2004 Coll., Commission Regulation (EC) 2073/2005)	Packages foods and beverages
15 ¹⁾²⁾⁴⁾⁵⁾⁶⁾⁷⁾⁸⁾⁹⁾	Gas sampling for the determination of ammonia	CZ_SOP_D069_07_V15 (ČSN 834728)	Gases

Tests identified by ordinal number:

- with index * are carried out outside the laboratory premises
- with index ¹⁾ are carried out on the site in Prague, Na Harfě 336/9
- with index ²⁾ are carried out on the site in Česká Lípa
- with index ³⁾ are carried out on the site in Pardubice
- with index ⁴⁾ are carried out on the contact and sampling place in Brno
- with index ⁵⁾ are carried out on the contact and sampling place in Ostrava
- with index ⁶⁾ are carried out on the contact and sampling place in Plzeň
- with index ⁷⁾ are carried out on the contact and sampling place in Lovosice
- with index ⁸⁾ are carried out on the contact and sampling place in Rožnov pod Radhoštěm
- with index ⁹⁾ are carried out on the contact and sampling place in Kroměříž
- with index ¹⁰⁾ are carried out on the site in Prague, Na Harfě 916/9a