Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 043**

of **Vitens N.V.**
Center for Waterexpertise & Innovation

This annex is valid from: **17-06-2026** to **01-06-2029** Replaces annex dated: **18-02-2026**

Location(s) where activities are performed under accreditation

Head Office

Oude Veerweg 1
8019 BE
Zwolle
The Netherlands

Location	Abbreviation/ location code
Snekertrekweg 61 8912 AA Leeuwarden The Netherlands	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Sampling		
a.	Drinking water, groundwater, and process water	Sampling of taps for inorganic-, organic- and microbiological analyses. (all accredited analyses referred to in this scope which begin with the internal reference numbers VL-W-AC, VL-W-ME, VL-W-OC and VL-W-MB)	VL-W-MN01 NEN-EN-ISO 5667-5	OnLo
b.	Groundwater	Sampling of monitoring wells (including anaerobe in-line filtration of water) for inorganic- and organic analyses. (all accredited analyses referred to in this scope which begin with the internal reference numbers VL-W-AC, VL-W-ME)	VL-W-MN02 and VL-W-MN04 NTA 8017	OnLo

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned BR010 List on https://www.rva.nl/en/rules-and-decisions/
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

No.	Material or product	Type of activity[1]	Internal reference number	Location
c	Surface water	Collecting samples using a sampling beaker for inorganic-, organic- and microbiological analyses. (all accredited analyses referred to in this scope which begin with the internal reference numbers VL-W-AC, VL-W-ME, VL-W-OC and VL-W-MB)	VL-W-MN03 NEN 6600-2	OnLo
d	Drinking water and groundwater	Collecting samples for methane analyses. (analysis with the internal reference number VL-W-OC05)	VL-W-MN10 NEN-EN-ISO 5667-5	OnLo
e	Drinking water, groundwater (Matrix A) Process water, water from cooling towers and swimming pool water (Matrix B) Wastewater and surface water (Matrix C)	Sampling for *Legionella* testing with internal reference number VL-W-MB48 and VL-W-MB18	VL-W-MN11 NEN-EN-ISO 11731 and NEN-EN-ISO 19458	OnLo
f	Swimming water	Collecting samples for inorganic-, organic- and microbiological analyses. (all accredited analyses referred to in this scope which begin with the internal reference numbers VL-W-AC, VL-W-OC and VL-W-MB)	VL-W-MN05 NEN 6600-3	OnLo
h	Drinking water, groundwater, surface water and process water	Sampling for microbiological testing (all accredited analyzes mentioned in this scope starting with the internal reference numbers VL-W-MB)	VL-W-MN36 NEN EN ISO 19458	OnLo
		Field measurements		
1.	Drinking water, groundwater, surface water, process water and swimming water	Determination of temperature; digital thermometer	VL-W-MN16 NEN 6414	OnLo

No.	Material or product	Type of activity[1]	Internal reference number	Location
2.	Drinking water, groundwater, surface water, process water and swimming water	Determination of pH; potentiometry	VL-W-MN17 in house method	OnLo
3.	Drinking water, groundwater and process water	Determination of electric conductivity; conductometry	VL-W-MN18 in house method	OnLo
4.	Drinking water and swimming water	Determination of free available chlorine and total chlorine content; spectrophotometry	VL-W-MN20 NEN-EN-ISO 7393-2	OnLo
		Radioactivity measurements		
5.	Drinking water, groundwater and surface water	Determination of total β-activity concentration and rest-β-activity concentration of not-volatile substances	VL-W-AC11 in house method	L
6.	Drinking water, groundwater, surface water	The dertermination of total α-activity concentration of not-volatile substances	VL-W-AC11 in house method	L
		Inorganic analyses (wet-chemistry)		
7.	Drinking water, groundwater and surface water	Determination of suspended solids content; glass wool filtration and gravimetry	VL-W-AC19 NEN-EN 872	L
8.	Drinking water, groundwater, surface water and swimming water	Determination of turbidity; nephelometry	VL-W-AC01 in house method	L
9.	Drinking water, groundwater and surface water	Determination of pH; potentiometry	VL-W-AC01 in house method	L
10.	Drinking water, groundwater, surface water	Determination of electric conductivity; conductometry	VL-W-AC01 NEN-ISO 7888	L
11.	Drinking water, groundwater, surface water	Determination of oxygen content; Luminescence	VL-W-AC01 NEN-ISO 17289	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
12.	Drinking water, groundwater, surface water and swimming water	Determination of carbonate (CO_3) and hydrogen carbonate (HCO_3) content; titrimetry	VL-W-AC01 in house method	L
13.	Drinking water, groundwater and surface water	Determination of colour intensity; spectrophotometry	VL-W-AC01 in house method	L
14.	Drinking water, groundwater and surface water	Determination of UV absorption; spectrophotometry	VL-W-AC01 in house method	L
15.	Drinking water, groundwater, surface water	Determination of ammonium content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
16.	Drinking water, groundwater, surface water	Determination of chloride content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
17.	Drinking water, groundwater, surface water	Determination of nitrate content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
18.	Drinking water, groundwater, surface water	Determination of nitrite content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
19.	Drinking water, groundwater, surface water	Determination of ortho-phosphate content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
20.	Drinking water, groundwater and surface water	Determination of silicate content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
21.	Drinking water, groundwater, surface water	Determination of sulphate content; discrete analyser spectrophotometry	VL-W-AC02 in house method	L
22.	Drinking water, groundwater, surface water and swimming water	Determination of potassium permanganate demand (permanganate index); continuous flow analyses spectrophotometry	VL-W-AC04 in house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
23.	Swimming water	Determination of urea content; continuous flow analyses spectrophotometry	VL-W-AC04 in house method	L
24.	Drinking water, groundwater and surface water	Determination of total cyanide content; continuous flow analyses spectrophotometry	VL-W-AC05 in house method	L
25.	Swimming water	Determination of cyanic acid content; spectrophotometry	VL-W-AC06 NEN 6493	L
26.	Drinking water, groundwater and surface water	Determination of dissolved anions; ion chromatography fluoride and bromide	VL-W-AC03 NEN-EN ISO 10304-1	L
27.	Drinking water, groundwater and surface water	Determination of dissolved anions; ion chromatography chlorate and nitrate	VL-W-AC03 in house method	L
		Inorganic analyses (elementanalyses)		
28.	Drinking water, groundwater and surface water	Determination of elements content, after acidifying with nitric acid to pH 1–2); ICP-MS aluminium, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, nickel, selenium, strontium, vanadium and zinc	VL-W-ME01 in house method	L
29.	Drinking water, groundwater and surface water	Determination of elements content after filtration (0,45 µm) and acidifying with nitric acid to pH 1–2; ICP-MS aluminium, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, nickel, selenium, strontium, vanadium and zinc	VL-W-ME01 in house method	L
30.	Drinking water, groundwater, waste water and surface water	Determination of elements content, after exclusion with nitric acid; ICP-MS aluminium, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, nickel, selenium, strontium, vanadium and zinc	VL-W-ME01 and VL-W-ME12 in house method	L
31.	Drinking water, groundwater and surface water	Determination of elements content after acidifying with nitric acid to pH 1-2; ICP-MS calcium, iron, potassium, magnesium, manganese and sodium	VL-W-ME04 in house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
32.	Drinking water, groundwater and surface water	Determination of elements content after filtration (0,45 µm) and acidifying with nitric acid to pH 1–2; ICP-MS calcium, potassium, magnesium, manganese, sodium and iron	VL-W-ME04 in house method	L
33.	Drinking water, groundwater, waste water and surface water	Determination of elements content, after exclusion with nitric acid; ICP-MS calcium, iron, potassium, magnesium, manganese and sodium	VL-W-ME04 and VL-W-ME12 in house method	L
34.	Drinking water, groundwater and surface water	Determination of calcium and magnesium content and corresponding hardness after acidifying with nitric acid to a pH of 1-2; ICP-MS	VL-W-ME04 in house method	L
35.	Drinking water, groundwater and surface water	Determination of calcium and magnesium content and corresponding hardness after filtration (0.45 µm) and acidifying with nitric acid to a pH of 1-2; ICP-MS	VL-W-ME04 in house method	L
36.	Drinking water, groundwater and surface water	Determination of elements content (after acidifying with hydrochloric acid to pH 1–2); ICP-MS antimony, mercury, molybdenum and tin	VL-W-ME05 in house method	L
37.	Drinking water, groundwater and surface water	Determination of elements content after filtration (0,45 µm) and acidifying with hydrochloric acid to pH 1–2; ICP-MS antimony, mercury, molybdenum and tin	VL-W-ME05 in house method	L
38.	Drinking water, groundwater, waste water and surface water	Determination of molybdeen content after exclusion with nitric acid; ICP-MS	VL-W-ME05 and VL-W-ME12 in house method	L
39.	Drinking water, groundwater and surface water	Determination of silver and copper content with complex reagent; ICP-MS	VL-W-ME17 in house method	L
		Organic analyses		

No.	Material or product	Type of activity[1]	Internal reference number	Location
40.	Drinking water, groundwater and surface water	Determination of total organic carbon (TOC) and dissolved organic carbon (DOC) content; TOC-analyser with high-temperature combustion and NDIR detection	VL-W-OC02 NEN-EN-1484	L
41.	Drinking water and groundwater	Determination of methane content; GC-FID with static headspace	VL-W-OC05 in house method	L
42.	Drinking water, groundwater and surface water	Determination of volatile hydrocarbons content; GC-MS headspace 1,1-dichloroethene, 1,2-(trans)-dichloroethene, 1,1-dichloroethene, 1,2-(cis) dichloroethene, bromochloromethene, trichloromethene, 1,1,1-trichloroethene, cyclohexane, tetrachloromethene, benzene, 1,2-dichloroethene, cyclohexene, 1,1-dichloropropane, trichloroethene, 1,2-dichloropropane, bromodichloromethene, 1,2-(trans) dibromoethene, 1,3-(cis) dichloropropene, methylbenzene, Methylisothiocyanaat (MITC), 1,3-(trans) dichloropropene, 1,2-(cis) dibromoethene, 1,1,2-trichloroethene, tetrachloroethene, 1,3-dichloropropane, dibromochloromethene, monochlorobenzene, ethylbenzene, sum of 1,3- and 1,4-dimethylbenzene, 1,2-dimethylbenzene, fenylethene, tribromomethene, isopropylbenzene, 1,2,3-trichloropropane, n-propylbenzene, 1,3-ethylmethylbenzene, 1,4-ethylmethylbenzene, 1,3,5-trimethylbenzene, 1,2-ethylmethylbenzene, tribromoethene, 1,2,4-trimethylbenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trimethylbenzene, 1,2-dichlorobenzene, chloroethane, 2-chloropropene, dichloromethane, Methylisothiocyanaat (MTBE), tetrahydrofuran, 1,1-dichloropropene, tetrahydrothiophene, 1,2-dibromoethene, 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, sum of 2,4-, 2,5- and 2,6-dichloortoluene, sum of 2,3- en 3,4-dichloortoluene 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, t-butylbenzene, s-butylbenzene, p-isopropyltoluene, n-butylbenzene, hexachloroethene, hexachlorobutadiene and naphtalene	VL-W-OC07 in house method	L
43.	Drinking water, groundwater and surface water	Determination of dikegulac content; HPLC MS/MS	VL-W-OC20 in house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
44.	Drinking water, groundwater and surface water	Determination of pesticide content (acetamides, organochlorine pesticides (OCP) and organophosphorus and nitrogen-containing pesticides (ONPB) and PCB's using GC-MS/MS after in-vial extraction. Acetamides: alachlor, dimethachlor, metazachlor, metolachlor, propachlor OCP: aldrin, cis-chlordane, trans-chlordane, o'p'-DDD, p'p'-DDD, o'p'-DDE, p'p'-DDE, o'p'-DDT, p'p'-DDT, dichlobenile, dicloran, dieldrin, a-endosulfan, b-endosulfan, endosulfan-sulphate, endrin, hexachlorobenzene (HCB), a-HCH, b-HCH, d-HCH, g-HCH, heptachlor, cis-heptachloroepoxide, trans-heptachloroepoxide, isodrin, o,p-methoxychlor, p,p-methoxychlor, mirex, pentachlorobenzene, quintozene, tecnazene and telodrin PCB: PCB-28, PCB-52, PCB-101, PCB-118, PCB-138, PCB-153, PCB-180 and PCB-194 ONPB: 2,6-dichlorobenzamide (BAM), atrazine, atrazine-desethyl, atrazine-desisopropyl, ametryn, azinphos-ethyl, azinphos-methyl, bromacil, bromophos-ethyl, bromophos-methyl, cis-chlorofenvinphos, chloroprofam, chloropyriphos, chlorothalonil*1, coumaphos, crimidine, cyanazine, desmetryn, diazinon, dichlorovos, dimethoate, disulphoton, S-ethyldipropylthiocarbamaat (EPTC), ethion, ethoprophos, etrimphos, fenchlorophos, fenitrothion, phonophos, lenacil, malathion, mevinphos-cis, methidathion, metribuzine, paraoxon ethyl, paraoxon methyl, parathion ethyl, parathion methyl, permethrin c+t, phorate, pirimicarb, prometryn, propazine, propham, pyrazophos, sebuthylazine, simazine, sulfotep, terbutryn, terbutylazine, tetrachlorovinphos, tolclophos methyl, triadimefon, triallate, trietazine en trifluralin *1 Semi-quantitative detection of these components.	VL-W-OC23 in house method	L

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No.	Material or product	Type of activity[1]	Internal reference number	Location
45.	Drinking water, groundwater and surface water	Determination of (chloro)phenols content after derivatization using GC-MS/MS p-Cresol, o-Cresol, m-Cresol, 2-Chlorophenol, 3-Chlorophenol, 4-Chlorophenol, 3,4,5-Trichlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,3,4-Trichlorophenol, 2,3,5-Trichlorophenol, 2,3,6-Trichlorophenol, 3,5-Dichlorophenol, 3,4-Dichlorophenol, 2,3-Dichlorophenol, 2,6-Dichlorophenol, sum of 2,4- and 2,5-Dichloorfenol, 2,4-Dimethylphenol, 2,5-Dimethylphenol, 2,3-Dimethylphenol, 3,4-Dimethylphenol, 2,6-Dimethylphenol, 2-Ethylphenol, 3-Ethylphenol, 4-Ethylphenol, 2,3,4,5-Tetrachlorophenol, 2,3,4,6-Tetrachlorophenol, 2,3,5,6-Tetrachlorophenol, 4-Chloro-2-Methylphenol, 4-Chloro-3-Methylphenol, Pentachlorophenol, Phenol	VL-W-OC04 in house method	L
46.	Drinking water, groundwater and surface water	Determination of aromatic amines content using GC-MS/MS 2,3-Dichloroaniline, 2,4-Dichloroaniline, 2,5-Dichloroaniline, 2,6-Dichloroaniline, 3,4-Dichloroaniline, 3,5-Dichloroaniline, 2,3-Dimethylaniline, 2,5-Dimethylaniline, 3,4-Dimethylaniline, 3,5-Dimethylaniline, 2,4- and 2,6-Dimethylaniline, 2,6-Diethylaniline, 2,3,4-Trichloroaniline, 2,4,5-Trichloroaniline, 2,4,6-trichloroaniline, 3,4,5-trichloroaniline, 2,3,4,5-tetrachloroaniline, 2,3,5,6-tetrachloroaniline, 2,6-dichloro-4-nitroaniline, 2-aminoacetophenone, 2-chloroaniline, 3-chloroaniline, 4-chloroaniline, 2-nitroaniline, 3-nitroaniline, 2-phenylsulfonaniline, 2-trifluoromethylaniline, 3-Chloro-4-methoxy-aniline, 3-Chloro-4-methylaniline, 4-Broomaniline, sum of 4- and 5-chloor-2-methylaniline 4-Isopropylaniline, 4-Methoxy-2-nitroaniline, 4-Methyl-3-nitroaniline, Aniline, m-Toluidine, N,N-Diethylaniline, N,N-Dimethylaniline, N-Ethylaniline, N-Methylaniline, o-en p-Toluidine, o-Ansidine, Pentachloroaniline.	VL-W-OC33 in house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
47.	Drinking water, groundwater and surface water	Determination of polar anthropogenic organic compounds using HPLC-MS/MS Pesticides: Fluopyram, Fluopicolide, Famoxadone, Iprodione, Prothioconazole-desthio, DMSA (Dimethylphenylsulfonyldiamide), DMST (dimethyltolysulfonyldiamide), Thiabendazole, Imazalil, Tebuconazole, Propamocarb, Pencycuron, Kresoxim-methyl, Flutolanil, 3-Iodo-2-propynyl Nbutylcarbamate, Carbendazim, Cyazofamid, Cyprodinil, Dimethomorph (isomers), Fenpropidin, Fenpropimorph, Metalaxyl, Penconazole, Prochloraz, Propiconazole (isomers), Triadimenol (somer A), Azoxystrobin, Epoxiconazole, Metconazole, Trifloxystrobin, sum of 2- and 4-Nitrofenol, Fludioxonil, Metamitron, Methabenthiazuron, Metolachlor (OA), Metolachlor, Metolachlor (ESA), Mesosulfuron-Methyl, Terbutylazine-desethyl, Tritosulfuron, Asulam, Diflufenican, Quinmerac, 1-(4-Chlorophenyl) urea, Atrazine-2-hydroxy, Clopyralid, Desmediphan, Florasulam, Fluroxypyr-1-methylheptyl ester, Haloxyfop, Metoxuron, Metribuzin-desamino, Metribuzin, Monolinuron, Monuron, Nicosulfuron, Pendimethalin, Prometryn, BAM (2,6-dichlorobenzamide), Propachlor (ESA), 1-(3,4-dichlorophenyl)-3-methylurea, Propyzamide, Propachlor (OA), Prosulfocarb, Simazine, Terbuthylazine, 1-(3-chloro-4-methylphenyl) urea, 1-(4-isopropylphenyl)-3-methylurea, 1-(4-isopropylphenyl)urea, Acetochlor, Alachlor, Antranilic acid isopropylamide, Atrazine, Atrazine-desethyl, Atrazine-desisopropyl, Benazolin-ethyl ester, Chlorotoluron, Chloridazon, Chlorsulfuron, Dimethenamide (ESA) A+B, Dimethenamide (OA), Dimethenamide-P, Diuron, Flufenacet, Isoproturon, Linuron, 4- Chlorophenoxyacetic acid(4-CPA), 4-(2-4-dichlorophenoxy) butyric acid (24DB), Dicamba, Dinoterb, 4-6-Dinitro o-cresol (DNOC), Flufenacet (OA), 2-methyl-4-chlorophenoxyacetic acid (MCPA), 2-methyl-4-chlorophenoxybutyric acid (MCPB), MCPP, 2-4-5-Trichlorophenoxypropionic acid (245TP), Tembotrione, Topramezone, 2,4-	VL-W-OC37 in house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Dichlorophenoxypropionic acid (24DP), 2-4-Dichlorophenoxyacetic acid (24D), Flufenacet (ESA), Acetochlor(ESA), Alachlor(ESA), Bentazon, Bromacil, Bromoxynil, DEET (N,N-diethyl-3-methylbenzamide), Aldicarb-sulfone, Butocarboxim, Thiacloprid, Thiophanox-sulfone, Thiophanox-sulfoxide, Carbofuran, Methoxyfenozide, Piperonyl-butoxide, Thiamethoxam, Ethiofencarb, Ethiofencarb sulfoxide, Imidacloprid, Methiocarb sulfone, Oxamyl, Spinosad, Chlorantraniliprole, Clothianidin, Cyromazine, Demeton-O+S, Flonicamid Industrial components: 5-chloro-1H-benzotriazole, 1H-Benzotriazole, 2,4-Dinitrophenol, Triglyme, 2-octyl-4-isothiazolin-3-one, 4-methyl-1H-benzotriazole, 5,6-dimethyl-1H-benzotriazole, 2-Methyl-4-isothiazolin-3-one, TPPO (Triphenylphosphine oxide), Tetraglyme, 1,3-dicyclohexylurea, Diglyme (Dietylene glycol dimethyl ether), 1,3-diphenylguanidine, 1,3-diethyl-1,3-diphenylurea, 1,2-Benzothiazolin-3-one, 1,3-Benzothiazole, 5-methyl-1H-benzotriazole, 4,5-Dichloro-2-octyl-isothiazolone, 2-Aminobenzothiazole, 4-dimethyl-amino Pyrin Pharmaceutical components: Bezafibrate, Metoprolol, Irbesartan, Aminoantipyrin-4, Losartan, 4-Hydroxydiclofenac, Sotalol, Propyphenazone, Valsartan, Simvastatin, Pentoxifylline, Paracetamol, Naproxen, Lidocaine, Indomethacin, Fenofibrate, Fenoprofen, Ketoprofen, Enalapril, Bisoprolol-A, Atenolol, Amiodarone, Propranolol, Phenazone, Phenacetin, Capecitabine, Pipamperone, Clenbuterol, Coffein, Cyclophosphamide, Estrone, Fluoxetine, Ifosfamide, Malachite Green, Primidone, Ranitidine, Salbutamol, Tamoxifen, Terbutalin, Gabapentin, Carbamazepine 10,11-epoxide, Trans-10,11		

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		dihydro-10,11-dihydroxycarbamazepine, Amantadine, Clozapine, Genistein, Carbamazepine, Ioxithalamic acid, Iothalamic acid, Iopromide A+B, Iomeprol, Iopamidol, Diatrizoic acid, Iohexol A+B, Acetylsulfamethoxazole, Azithromycin, Sulfamerazine, Sulfamethoxazole, Sulfapyridine, Tetracycline, Trimethoprim, Tylosin, Metronidazole, Sulfadiazine, Cefazolin, Cefotaxim, Cefuroxime, Ciprofloxacin, Clarithromycin, Dimetridazole, Enoxacin, Enrofloxacin, Erythromycin Som, Flucloxacillin, Flumequine, Lincomycin, Mebendazole, Norfloxacin, Ofloxacin, Oxytetracycline, Ronidazole, Roxithromycin A+B, Sulfamethazine, Sulfadimethoxin, Chlorotetracycline, Penicillin V, Ceftazidime, Doxycycline, Furazolidone, Sulfamethizole, Amoxicillin, Chloramphenicol, Hydrochlorothiazide, Ibuprofen, Furosemide, Gemfibrozil, Clofibric acid, Diclofenac Sweeteners: Aspartame, Cyclamate, Saccharin, Sucralose, Acesulfame		

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No.	Material or product	Type of activity[1]	Internal reference number	Location
48.	Drinking water, groundwater and surface water	Determination of PFAS content using UPLC-MSMS Components: Perfluorooctanesulfonic acid (PFOS); Perfluorooctanoic acid (PFOA); Perfluoro-2-propoxypropanoic acid (HFPO-DA, GenX); Perfluorobutanesulfonic acid (PFBS); Perfluorobutanoic acid (PFBA); Perfluorohexanoic acid (PFHxA); Perfluoroheptanoic acid (PFHpA); Perfluorononanoic acid (PFNA); Perfluorodecanoic acid (PFDA); Perfluorododecanoic acid (PFDoDA); Perfluorotetradecanoic acid (PFTeDA); Perfluorotridecanoic acid (PFTrDA); Perfluoroheptanesulfonic acid (PFHpS); Perfluorodecanesulfonic acid (PFDS); Perfluorohexanesulfonic acid (PFHxS); Perfluoropentanoic acid (PFPeA); 4,8-Dioxa-3H-perfluorononanoic acid (DONA); Perfluorooctanesulfonamide (PFOSA); Perfluorohexadecanoic acid (PFHxDA); Perfluorododecanesulfonic acid (PFDoDS); N-methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA); N-ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA); Perfluorooctadecanoic acid (PFODA); Perfluorotridecanesulfonic acid (PFTrDS); Perfluoroundecanesulfonic acid (PFUnDS); 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS); 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS); 8:2 Fluorotelomer unsaturated carboxylic acid (8:2FTUCA); Perfluorobutanesulfonamide (FBSA); Perfluorohexanesulfonamide (FHxSA); Perfluorononanesulfonic acid (PFNS); Perfluoroundecanoic acid (PFUnDA); Perfluoropentanesulfonic acid (PFPeS); 8:2 Fluorotelomer phosphate diester (8:2 diPAP); N-methyl perfluorooctanesulfonamide (N-MeFOSA); N-ethyl perfluorooctanesulfonamide (N-EtFOSA); 6:2 fluorotelomersulfonic acid (6:2 FTS); 4:2 fluorotelomersulfonic acid (4:2 FTS); 8:2 fluorotelomersulfonic acid (8:2 FTS); SOM PFAS DWR Medium Bound; SOM PFAS DWR Lower Bound	VL-W-OC39 In house method	L

No.	Material or product	Type of activity[1]	Internal reference number	Location
49.	Drinking water, groundwater and surface water	Determination of polycyclic hydrocarbons (PAH) using GC-MSMS Components: Acenaftene, Acenaftylene, Anthracene, Benzo-(a)-anthracene,Benzo-(a)-pyrene, Benzo-(b)-fluoranthene, Benzo-(g,h,i)-perylene, Benzo-(k)-fluoranthene, Chrysene, Dibenz-(a,h)-anthracene, Fenanthrene, Fluoranthene, Fluorene, Indeno-[1,2,3-cd]-pyrene, Naftalene, Pyrene, Som PAK (16 EPA), Som PAK (DWR 2011)	VL-W-OC40 In House methode	L
		Microbiological analyses		
50.	Surface water	Enumeration of (thermo-tolerant) coliform bacteria; membrane filtration and confirmation with Maldi-TOF	VL-W-MB02 and VL-W-MB45 isolation: NEN 6570 (1982) and NEN 6571 (1982) (confirmation: in house method)	L
51.	Drinking water and groundwater (Matrix A)	Enumeration of *Legionella*; membrane filtration, medium A, B and confirmation with UV or PCR	VL-W-MB48 en VL-W-MB 18 NEN-EN-ISO 11731 (procedure 8,9,10) (isolation NEN-EN-ISO 11731, confirmation NEN-EN-ISO 11731)	L
52.	Process water (for example water from cooling towers) and chlorinated (swimming pool) water (Matrix B)	Enumeration of *Legionella*; membrane filtration, medium C (MWY) and confirmation with UV or PCR	VL-W-MB48 en VL-W-MB 18 NEN-EN-ISO 11731 (procedure 8,9,10) (isolation NEN-EN-ISO 11731, confirmation NEN-EN-ISO 11731)	L
53.	Surfacewater and wastewater (Matrix C)	Enumaration of *Legionella*; membranefiltration, medium C (MWY) and confirmation with UV or PCR	VL-W-MB48 en VLWMB18 NEN-EN-ISO 11731 (procedure 4) (isolation NEN-EN-ISO 11731, confirmation NEN-EN-ISO 11731)	L
54.	Legionella isolates	Conformation and determination of Legionella; real-time PCR L. pneumophila 1, L. pneumophila 2-15 en L. non-pneumophila	VL-W-MB18 In house method	L

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 043**

of **Vitens N.V.**
Center for Waterexpertise & Innovation

This annex is valid from: **17-06-2026** to **01-06-2029** Replaces annex dated: **18-02-2026**

No.	Material or product	Type of activity[1]	Internal reference number	Location
55.	Drinking water, groundwater, surface water, process water and chlorinated (swimming) water	Enumeration of sulphite reducing clostridia; membrane filtration	VL-W-MB49 NEN-ISO 6461-2	L
56.	Drinking water, groundwater and surface water	Enumeration of aeromonas-bacteria at 30°C; membrane filtration	VL-W-MB07 NEN 6263	L
57.	Drinking water, groundwater and chlorinated (swimming) water	Enumeration of coliform bacteria and Escherichia coli; membrane filtration and MALDI-TOF confirmation.	VL-W-MB10 and VL-W-MB45 NEN-EN-ISO 9308-1 (2000) (conformation in house method)	L

58.	Drinking water, ground water, surface water, process water and chlorinated (swimming) water	Enumeration of enterococci; membrane filtration and MALDI-TOF confirmation	VL-W-MB12 and VL-W-MB45 NEN-EN ISO 7899-2 (conformation in house method)	L
59.	Drinking water, ground water, surface water, process water, chlorinated (swimming) water, wastewater and icewater	Enumeration of cultivable micro-organisms at 22°C en 36°C; colony count using yeast extract agar; pour plate technique	VL-W-MB19 NEN-EN ISO 6222 (including sample preservation)	L
60.	Drinking water, ground water, surface water and process water	Enumeration of F-specific RNA bacteriophages; direct plating method	VL-W-MB20 NEN-EN ISO 10705-1	L
61.	Drinking water, ground water and surface water	Enumeration of aeromonas-bacteria at 37°C; membrane filtration	VL-W-MB06 in house method	L
62.	Clostridium-isolates	Confirmation of Clostridium perfringens colonies; Real Time Polymerase Chain Reaction technique	VL-W-MB26 in house method	L
63.	Drinking water, ground water and surface water	Enumeration of somatic coli-phages in water	VL-W-MB25 NEN-EN-ISO 10705-2	L
64.	Bacterie-isolates	Confirmation of bacterial- isolates: mass-spectrometry Legionella, E.coli, coliforms, Enterococci	VL-W-MB45 in house method	L
65.	Drinking water, ground water, surface water, process water and chlorinated (swimming) water	Enumeration of Clostridia perfringens; membrane filtration	VL-W-MB34 NEN-EN-ISO 14189	L