

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17043:2010
 Registration number: **R 005**

of **KWR Water B.V.**

This annex is valid from: **28-07-2021** to **01-09-2024**

Replaces annex dated: **20-08-2020**

Location(s) where activities are performed under accreditation

Head Office

Groningehaven 7
 3433 PE
 Nieuwegein
 The Netherlands

Location	Abbreviation/ location code
Groningehaven 7 3433 PE Nieuwegein The Netherlands	Ni

Nr. / HCS code	Material, product or device	Type of activity (parameter)	Concentration range / Measuring range	Frequency	Location
General and Inorganic parameters					
1.	Drinking water	Hg, Cd, Al, As, Cr, Pb, Sb, Se, Cu, Ni, Zn, B, Ba, Fe, Mn K, Mg, Na, Ca total hardness	0.1-1 µg/l 0.1-10 µg/l 1-70 µg/l 1-200 µg/l 1-350 µg/l 0.5-50 mg/l 1-200 mg/l 0.5-6 mmol/l	once a year	Ni

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

J.A.W.M. de Haas

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Nr. / HCS code	Material, product or device	Type of activity (parameter)	Concentration range / Measuring range	Frequency	Location
2.	Drinking water	NO ₂ , F, NH ₄ , turbidity, DOC, NO ₃ , SO ₄ , Cl ortho-phosphate, total-phosphate, pH, SiO ₂ , colour, CO ₃ , conductivity (25°C), HCO ₃ , total-cyanide	0.02-0.2mg N/l 0.05-2 mg/l 0.05-2 mg N/l 0.1-2.5 FNE 0.1-15 mg C/l 0.5-50 mg N/l 1-200 mg/l 10-200 mg/l 0.05-2 mg P/l 4-11 pH 0.1-15 mg Si/l 2-20 mg/l Pt/Co 0,5-50 mg/l 10-150 mS/m 1-300 mg/l 2.5-350 µg/l	once a year	Ni
3.	Swimming water	urea, cyanuric acid, free chlorine, total chlorine	0.5-5 mg/l 5-15 mg/l 0.1-20 mg/l	once a year	
4.	Surface water	NH ₄ , NO ₂ , NO ₃ , ortho-phosphate, anionactive detergents, F, Kjeldahl-N, total-phosphate, COD (CZV), SiO ₂ , UV-absorption, colour, SO ₄ , Cl, suspended matter, oxygen (dissolved)	0.02-2 mg N/l 0.05-3 mg P/l 0.02-2.5mg/l NalaurylSO ₄ 0.02-2.5mg/l 0.05-3 mg N/l 0.02-2 mg P/l 1-15 mg O ₂ /l 1-15 mg Si/l 0.1-20 E/m 2-20 mg/l Pt/Co 1-200 mg/l a.n. mg/l 1-15 mg O ₂ /l	once a year	
5.	Surface water	Be, Cd, Hg, Cr, As, Se, V, Co, Al, Pb, Cu, Zn, Ni, Ba, Fe, Mn, K, Ca, Mg, Na	0.1-10 µg/l 1-70 µg/l 1-500 µg/l 0.01-1 mg/l 1-15 mg/l 1-200 mg/l	once a year	
6.	Groundwater	Cd, Hg, As, Cr, Co, Pb, Cu, Ni, Zn, Mo, Al, Fe, Mn, Ba.	0.1-10 µg/l 1-70 µg/l 1-300 µg/l 0.1-20 mg/l	once a year	

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7.	Groundwater	NH ₄ , ortho-phosphate, pH, Mg, K, NO ₃ , Na, Ca, SO ₄ , HCO ₃	0.05-2 mg N/l 0.05-2 mg P/l 4-11 pH 0.5-50 mg/l 0.5-50 mg N/l 1-200 mg/l 1-300 mg/l	once a year	Ni
8.	Wastewater	total-phosphate, ortho-phosphate, anionactive detergents, F, DOC, SiO ₂ , NO ₂ , NH ₄ , NO ₃ , Kjeldahl-N, Cl, SO ₄ , suspended matter, COD (CZV), total-cyanide, free-cyanide.	0.1-5 mg P/l 0.1-10 mg/l NalaurylSO ₄ 1-15 mg/l 1-15 mg C/l 1-15 mg Si/l 0.2-20 mg N/l 1-50 mg N/l 0.5-60 mg N/l 5-200 mg/l 7-300 mg O ₂ /l 10-350 µg/l	once a year	
9.	Wastewater	Hg, As, Cd, Se, Al, Cu, Fe, Mn, Ni, Zn, Cr, Pb	0.5-50 µg/l 0.03-5 mg/l 0.03-5 mg/l	once a year	

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Organic parameters					
10.	Drinking- and groundwater	Organic chlorated pesticides (OCP) aldrin alpha-endosulfan alpha-HCH delta-HCH dieldrin endrin gamma-HCH (lindane) heptachloro heptachloro endo epoxide isomer A hexachlorobenzene o,p'-DDD o,p'-DDE p,p'-DDD p,p'-DDE p,p'-DDT Polychlorinated biphenyls (PCB) PCB 28 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	0.002-1 µg/l 0.002-1 µg/l	once a year	Ni
11.	Drinking- and groundwater	Polycyclic aromatic hydrocarbons (PAH) acenaphtene acenaphtylene anthracene benzo(a)anthracene benzo(a)pyrene benzo(b)fluoranthene benzo(ghi)perylene benzo(k)fluoranthene chrysene dibenzo(a,h)anthracene fluoranthene fluorene indeno(123-cd)pyrene naphtalene phenantrene pyrene	0.02-1 µg/l	once a year	

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12.	Drinking- and groundwater	Volatile halogenated hydrocarbons (VHH) 1,1,1-trichloro-ethane 1,1,2,2-tetrachloro-ethane 1,1,2-trichloro-ethane 1,1-dichloro-ethane 1,2,3-trichloropropane 1,2-dichloro-ethane 1,2-dichloropropane bromochloromethane bromodichloromethane chloroform (trichloromethane) cis-1,3-dichloropropene dibromochloromethane tetrachloro-ethene tetrachloromethane trans-1,3-dichloropropene tribromomethane trichloro-ethene	0.1-2 µg/l	once a year	Ni
13.	Drinking- and groundwater	Volatile aromatic hydrocarbons (VAH) 1,2,3-trimethylbenzene 1,2,4-trimethylbenzene benzene chlorobenzene cyclohexane dimethylbenzene, meta+para dimethylbenzene, ortho ethylbenzene methylbenzene (toluene) naphthalene n-propylbenzene	0.1-2 µg/l	once a year	
14.	Drinking- and groundwater	N/P-pesticides atrazine chlorofenvinfos (cis + trans) cyanazine desethylatrazine desisopropylatrazine desmetryn dichlorovos dimethoate ethoprofos metribuzin parathion-ethyl pirimicarb prometryne propazine simazine terbutryn terbuthylazine chloroacetamides alachlor metazachlor metolachlor bromacil	0.05-1 µg/l 0.05-1 µg/l 0.02-1 µg/l	once a year	

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15.	Drinking- and groundwater	Chlorophenoxy-carbonic acids (CPCA) 2,4-D 2,4-DB dicamba dichlorprop MCPA MCPB MCPP bentazon	0.05-1 µg/l 0.02-1 µg/l	once a year	Ni
16.	Drinking- and groundwater	Phenylurea herbicides (PUH) chlorbromuron chlortoluron diuron isoproturon linuron methabenzthiazuron metobromuron metoxuron monolinuron monuron	0.02-1 µg/l	once a year	
17.	Surface water	Extractable organic halogens (EOX)	0,02-5 µg/l	once a year	
18.	Surface water	Organic chlorated pesticides (OCP) aldrin alpha-endosulfan alpha-HCH delta-HCH dieldrin endrin gamma-HCH (lindane) heptachloro heptachloro endo epoxide isomer A hexachlorobenzene o,p'-DDD o,p'-DDE p,p'-DDD p,p'-DDE p,p'-DDT Polychlorinated biphenyls (PCB) PCB 28 PCB 52 PCB 101 PCB 118 PCB 138 PCB 153 PCB 180	0.002-1 µg/l 0.002-1 µg/l	once a year	

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19.	Surface water	Polycyclic aromatic hydrocarbons (PAH) acenaphthene acenaphthylene anthracene benzo(a)anthracene benzo(a)pyrene benzo(b)fluoranthene benzo(ghi)perylene benzo(k)fluoranthene chrysene dibenzo(a,h)anthracene fluoranthene fluorene indeno(123-cd)pyrene naphthalene phenanthrene pyrene	0.02-1 µg/l	once a year	Ni
20.	Surface water	Volatile halogenated hydrocarbons (VHH) 1,1,1-trichloro-ethane 1,1,2,2-tetrachloro-ethane 1,1,2-trichloro-ethane 1,1-dichloro-ethane 1,2,3-trichloropropane 1,2-dichloro-ethane 1,2-dichloropropane bromochloromethane bromodichloromethane chloroform (trichloromethane) cis-1,3-dichloropropene dibromochloromethane tetrachloro-ethene tetrachloromethane trans-1,3-dichloropropene tribromomethane trichloro-ethene	0.5-2 µg/l	once a year	
21.	Surface water	Volatile aromatic hydrocarbons (VAH) 1,2,3-trimethylbenzene 1,2,4-trimethylbenzene benzene chlorobenzene cyclohexane dimethylbenzene, meta+para dimethylbenzene, ortho ethylbenzene methylbenzene (toluene) naphthalene n-propylbenzene	0.5-2 µg/l	once a year	

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22.	Surface water	N/P-pesticides atrazine chlorofenvinfos (cis + trans) cyanazine desethylatrazine desisopropylatrazine desmetryn dichlorovos dimethoate ethoprofos metribuzin parathion-ethyl pirimicarb prometryne propazine simazine terbutryn terbuthylazine chloroacetamides alachlor metazachlor metolachlor bromacil	0.05-1 µg/l 0.05-1 µg/l 0.02-1 µg/l	once a year	Ni
23.	Surface water	Chlorophenoxy-carbonic acids (CPCA) 2,4-D 2,4-DB dicamba dichlorprop MCPA MCPB MCPP bentazon	0.05-1 µg/l 0.02-1 µg/l	once a year	
24.	Surface water	Phenylurea herbicides (PUH) chlorbromuron chlortoluron diuron isoproturon linuron methabenzthiazuron metobromuron metoxuron monolinuron monuron	0.02-1 µg/l	once a year	

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25.	Wastewater	Polycyclic aromatic hydrocarbons (PAH) acenaphthene acenaphthylene anthracene benzo(a)anthracene benzo(a)pyrene benzo(b)fluoranthene benzo(ghi)perylene benzo(k)fluoranthene chrysene dibenzo(a,h)anthracene fluoranthene fluorene indeno(123-cd)pyrene naphthalene phenanthrene pyrene	0.1-20 µg/l	once a year	Ni
26.	Wastewater	Volatile halogenated hydrocarbons (VHH) 1,1,1-trichloro-ethane 1,1,2,2-tetrachloro-ethane 1,1,2-trichloro-ethane 1,1-dichloro-ethane 1,2,3-trichloropropane 1,2-dichloro-ethane 1,2-dichloropropane bromochloromethane bromodichloromethane chloroform (trichloromethane) cis-1,3-dichloropropene dibromochloromethane tetrachloro-ethene tetrachloromethane trans-1,3-dichloropropene tribromomethane trichloro-ethene	2-200 µg/l	once a year	
27.	Wastewater	Volatile aromatic hydrocarbons (VAH) 1,2,3-trimethylbenzene 1,2,4-trimethylbenzene benzene chlorobenzene cyclohexane dimethylbenzene, meta+para dimethylbenzene, ortho ethylbenzene methylbenzene (toluene) naphthalene n-propylbenzene	2-200 µg/l	once a year	
28.	Wastewater	Mineral oil	0.05–200 mg/l	once a year	

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Microbiological parameters					
29.	Drinking water	<i>Aeromonas</i> 30 °C <i>Aeromonas</i> 37 °C bacteria of the Coligroup <i>E. coli</i> enterococci <i>Clostridium perfringens</i> sulphite reducing Clostridia	0-300 cfu/100ml	once a year	Ni
30.	Drinking water	bacteria of the Coligroup enterococci <i>Clostridium perfringens</i> <i>E. coli</i> plate count 22 °C plate count 36 °C sulphite reducing Clostridia	0-300 cfu/100ml 0-3000 cfu/ml 0-300 cfu/100ml	once a year	
31.	Drinking water	<i>Aeromonas</i> 30 °C <i>Aeromonas</i> 37 °C bacteria of the Coligroup <i>E. coli</i> plate count 22 °C plate count 36 °C	0-300 cfu/100ml 0-3000 cfu/ml	once a year	
32.	Drinking water	<i>Legionella</i>	0-30.000 cfu/l	three times a year	
33.	Diluted surface water	ATP	0-100 ng/l	once a year	

cfu = colony forming units