

Annex to declaration of accreditation (scope of accreditation)  
Normative document: EN ISO/IEC 17025:2017  
Registration number: **L 028**

of **SGS Nederland B.V.**  
**trading under the name SGS Environmental Analytics**

This annex is valid from: **03-07-2024** to **01-03-2027**

Replaces annex dated: **10-04-2024**

**Location(s) where activities are performed under accreditation**

**Head Office**

Steenhouwerstraat 15  
3194 AG  
Hoogvliet Rotterdam  
The Netherlands

Location	Abbreviation/ location code
Steenhouwerstraat 15 3194 AG Hoogvliet Rotterdam Netherlands	RD

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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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Sample Pretreatment for several parameters</b>				
--	Soil	Sample pretreatment for organic as well as inorganic chemical and physicochemical parameters.	AH100W, AH1100W NEN-EN 16179, NF EN 16179, DIN-EN 16179	RD
<b>Inorganic analyses (metal analyses)</b>				
1	Ground water and surface water	Determination of the content of elements; ICP-AES boron, sulphur	AH353W AH2010W NEN 6966 and NEN-EN-ISO 11885	RD
2	Waste water	Determination of the content of elements; ICP-AES boron, sulphur	AH301W, AH353W, AH2010W NEN 6966, NEN-EN-ISO 11885 NF EN ISO 11885, (ontsluiting NEN-EN-ISO 15587-1 and NF EN ISO 15587-1)	RD
6	Soil and sediment	Determination of the content of elements; ICP-AES boron, sulphur	AH301W, AH353W NEN 6966, ISO 22036, NF ISO 22036, NEN-EN 16170, NF EN 16170 (digestion NEN 6961 and NEN-EN- ISO 54321, NF EN ISO 54321)	RD
354	Soil and sediment	Determination of the content of elements; ICP-MS aluminium, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, mercury, lead, magnesium, manganese, molybdenum, nickel, phosphor, potassium, sodium, selenium, strontium, thallium, tellurium, tin, vanadium, silver, zinc	AH1111W, AH301W NEN-EN-ISO 17294-2, NEN-EN 16171, NF EN 16171 (digestion NEN 6961 and NEN-EN- ISO 54321, NF EN ISO 54321)	RD
10	Eluates and ground water	Determination of the content of elements; ICP-MS antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, thallium, tin, vanadium, zinc	AH1126W, AH2010W NEN-EN-ISO 17294-2	RD
15	Ground water, surface water and eluates	Determination of the content of mercury; cold vapour AFS	AH309W, AH2010W NEN-EN-ISO 17852 and NF EN ISO 17852	RD

<sup>1</sup> If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the [RvA-BR010-lijst](#).  
 If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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258	Waste water	Determination of the content of elements; ICP-MS thallium, aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, phosphor, selenium, silver, sodium, strontium, tellurium, tin, vanadium, zinc	AH301W, AH326W, AH2010W NEN-EN-ISO 17294-2 (digestion NEN-EN-ISO 15587-1)	RD
<b>Inorganic analyses (chemical analysis) and physical chemical activities</b>				
292	Ground water, surface water and waste water	Determination of the content of free and total chlorine; colorimetric analysis	AH582W NEN-EN-ISO 7393-2	RD
293	Ground water, surface water and waste water	Determination of the content of iodide; ion chromatographic analysis	AH573W NEN-EN-ISO 10304-3	RD
294	Ground water, surface water and waste water	Determination of permanganate index; titrimetric	AH575W NEN-EN-ISO 8467, NF EN ISO 8467	RD
295	Ground water, surface water and waste water	Determination of the content of non- ionic detergents; colorimetric analysis	AH584W in house method	RD
296	Ground water, surface water and waste water	Determination of the content of cationic detergents; colorimetric analysis	AH584W in house method	RD
297	Ground water, surface water and waste water	Determination of the content of anionic detergents; colorimetric analysis	AH584W in house method	RD
299	Ground water, surface water and waste water	Determination of the content of chlorite and chlorate; ion chromatographic analysis	AH580W NEN-EN-ISO 10304-4	RD
301	Soil	Determination of the loss on ignition (LOI); gravimetric analysis	AH1100W NEN 6499, NEN-EN 15169	RD
269	Water	Determination of color; spectrophotometric analysis	AH557W NEN-EN-ISO 7887 method C, NF EN ISO 7887 method C	RD
270	Water	Determination of turbidity; turbidimetry	AH556W NEN-EN-ISO 7027-1, NF EN ISO 7027-1	RD

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18	Soil and sediment	Determination of the content of dry matter; gravimetric analysis	AH101W NEN-EN 15934	RD
287	Soil	Determination of the residue on ignition and the loss on ignition; gravimetric analysis	AH101W NEN-EN 15935	RD
21	Sediment	Determination of the residue on ignition / the loss on ignition/content of organic matter; gravimetric analysis	AH101W umbrella standard NEN 6499 (analysis NEN-EN 12879)	RD
22	Soil	Determination of the content of organic matter; gravimetric analysis	AH101W NEN 5754	RD
23	Waste water	Determination of the content of suspended solids; gravimetric analysis	AH560W NEN 6621:1992	RD
24	Ground water and surface water	Determination of the content of suspended solids; gravimetric analysis	AH560W NEN 6484	RD
25	Ground water, waste water and surface water	Determination of dry residue; gravimetric analysis	AH561W umbrella standard NEN 6499 (analysis NEN-EN 15934, NF EN 15934)	RD
26	Ground water, waste water and surface water	Determination of residues on ignition of dry residue; gravimetric analysis	AH561W umbrella standard NEN 6499 (analysis NEN-EN 15169)	RD
273	Eluates	Determination of Total Dissolved Solids (TDS); gravimetric analysis	AH561W NEN-EN 15216	RD
27	Ground water, surface water and waste water	Determination of the content of suspended solids; gravimetric analysis	AH560W NEN-EN 872, NF EN 872	RD
28	Soil and sediment	Determination of clay content and particle size distribution by sieve and pipette; gravimetric analysis	AH318W in house method	RD
29	Soil	Determination of clay content by pipette (short method); gravimetric analysis	AH307W in house method	RD
30	Soil and sediment	Determination of particle size distribution by wet sieving; gravimetric analysis	AH319W in house method	RD
31	Ground water, surface water and waste water	Determination of the content of oil and fat; gravimetric analysis after extraction with petroleum ether	AH567W in house method	RD

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32	Soil and sediment	Determination of the content of calcite (calcium carbonate); according to Scheibler	AH306W in house method	RD
34	Water and eluates	Determination of electrical conductivity	AH537W, AH1102W NEN-ISO 7888, ISO 7888 and EN 27888, NF EN 27888	RD
35	Soil and sediment	Determination of electrical conductivity	AH537W CEN/TS 15937, ISO 11265 in house method (pretreatment NEN 5749, measurement NEN-ISO 7888, EN 27888)	RD
37	Soil	Determination of pH; potentiometric analysis	AH536W NEN-ISO 10390, CMA 2/II/A.20, NF ISO 10390 and NF EN 15933	RD
38	Water and eluates	Determination of pH; potentiometric analysis	AH536W, AH1102W NEN-EN-ISO 10523 and NF EN ISO 10523	RD
39	Sediment	Determination of pH; potentiometric analysis	AH536W in house methode	RD
40	Waste water, ground water and surface water	Determination of biochemical oxygen demand (BOD); electrochemical analysis	AH534W NEN-EN 1899-1:1998, NF EN 1899-1:1998 and NEN EN ISO 5815-1, NF EN ISO 5815-1	RD
41	Eluates and water	Determination of the content of total fluoride; potentiometric analysis	AH1108W NEN 6578	RD
42	Soil	Determination of the content of total fluoride; potentiometric analysis	AH1109W in house method (digestion VPR C85-03, measurement NEN 6578)	RD
44	Surface water, waste water and ground water	Determination of the content of silicate; spectrophotometric analysis	AH522W NEN 6471	RD
45	Waste water, ground water and surface water	Determination of the content of dissolved and total sulphide; spectrophotometric analysis	AH520W NEN 6608	RD

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46	Waste water and ground water	Determination of the content of nitrogen according to Kjeldahl by continuous flow analysis; spectrophotometric analysis	AH509W in house method (pretreatment NEN 6646, measurement NEN-EN-ISO 11732, NF EN ISO 11732)	RD
289	Waste water and ground water	Determination of the content of total nitrogen as a sum of nitrogen according to Kjeldahl by continuous flow analysis; spectrophotometric analysis; and the content of nitrite nitrogen and nitrate nitrogen; spectrophotometric analysis or ion chromatographic analysis	AH509W in house method	RD
47	Ground water, surface water, waste water and eluates	Determination of the content of phenols by continuous flow analysis; spectrophotometric analysis	AH508W NEN-EN-ISO 14402, NF EN ISO 14402	RD
48	Soil and sediment	Determination of the content of phenols by continuous flow analysis; spectrophotometric analysis	AH508W in house method (pretreatment in house method, measurement NEN-EN-ISO 14402)	RD
49	Ground water, surface water, waste water and eluates	Determination of the content of cyanides (free and total) by continuous flow analysis; spectrophotometric analysis	AH530W NEN-EN-ISO 14403-2, NF EN ISO 14403-2	RD
50	Soil and sediment	Determination of the content of cyanides (free and total) by continuous flow analysis; spectrophotometric analysis	AH530W NEN-EN-ISO 17380, NF ISO 17380	RD
51	Water, soil and sediment	Determination of the content of total phosphor by continuous flow analysis; spectrophotometric analysis	AH521W in house method (digestion in house method, measurement NEN-EN-ISO 15681-2)	RD
56	Ground water, waste water and surface water	Determination of the content of anions by discrete analyzer; spectrophotometric analysis ammonium, chloride, sulfate, nitrite, nitrate, ortho-phosphate	AH529W NEN-ISO 15923-1, NF ISO 15923-1	RD
57	Soil and sediment	Determination of the content of anions by discrete analyzer; spectrophotometric analysis ammonium, chloride, sulfate, nitrite, nitrate, ortho-phosphate	AH529W in house method (pretreatment in house method, measurement NEN-ISO 15923-1)	RD

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59	Ground water, surface water, waste water and tap water	Determination of the content of anions; ion chromatographic analysis bromide, chloride, nitrate, nitrite, sulfate, fluoride	AH1125W NEN-EN-ISO 10304-1 and NF EN ISO 10304-1	RD
61	Soil	Determination of the content of anions; ion chromatographic analysis bromide, chloride, nitrate, nitrite, sulfate	AH1125W in house method (pretreatment in house method, measurement NEN-EN-ISO 10304-1)	RD
62	Sediment	Determination of the content of anions; ion chromatographic analysis bromide, chloride, sulfate	AH1125W in house method (pretreatment in house method, measurement NEN-EN-ISO 10304-1)	RD
63	Eluates	Determination of the content of anions; ion chromatographic analysis bromide, chloride, sulfaat, fluoride	AH1125W NEN-EN-ISO 10304-1 and NF EN ISO 10304-1	RD
64	Ground water and waste water	Determination of the chemical oxygen demand (COD); titrimetric analysis	AH525W NEN 6633:2006/A1:2007	RD
65	Surface water, waste water and ground water	Determination of the content of carbonate and bicarbonate; titrimetric analysis	AH568W in house method	RD
66	Waste water and ground water	Determination of p- and m-number; titrimetric analysis	AH568W in house method (measurement NPR 6546)	RD
67	Surface water, waste water and ground water	Determination of the content of TOC; infrared spectrophotometric analysis	AH548W NEN-EN 1484 and NF EN 1484	RD
274	Eluates	Determination of the content of DOC; infrared spectrophotometric analysis	AH548W NEN-EN 1484 and NF EN 1484	RD
68	Soil	Determination of the content of TOC; infrared spectrophotometric analysis	AH550W NEN-EN 13137:2001 and NEN-EN-15936 (method B)	RD
69	Ground water, surface water and waste water	Determination of the chemical oxygen demand (COD); titrimetric analysis	AH525W NF T90-101	RD

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290	Waste water, ground water and surface water	Determination of the chemical oxygen demand (ST-COD) by sealed tubes; spectrophotometric analysis	AH572W ISO 15705	RD
361	Waste water, ground water and surface water	Determination of the chemical oxygen demand (ST-COD) by sealed tubes after settling; spectrophotometric analysis	AH572W in house method (pretreatment in house method, measurement ISO 15705)	RD
70	Soil	Determination of the content of chromium-VI; ion chromatographic analysis	AH543W NEN-EN 15192, NF EN 15192, ISO 15192, NF ISO 15192	RD
71	Ground water, surface water and waste water	Determination of the content of chromium-VI; ion chromatographic analysis	AH543W CMA/2/I/C.7	RD
376	Soil	Determination of the content of dry matter; gravimetric analysis	AH101W NEN EN 15934; NF EN 15934, DIN EN 15934	RD
<b>Leaching study</b>				
397	Soil and building materials	Determination of the availability of inorganic components for leaching	AH1116W NEN 7371	RD
398	Soil, sediment and waste materials	Determination of the leaching characteristics using the shortened column test (L/S=1)	AH1114W in house method	RD
399	Soil and stony materials	Determination of the leaching of inorganic components with a column test	AH1114W NEN 7373, NEN-EN 14405	RD
400	Stony materials	Determination of the leaching of inorganic components with a simplified column test	AH1114W NEN 7383	RD
401	Stony building materials	Determination of the leaching of inorganic components from moulded or monolithic materials with a diffusion test	AH1129W NEN 7375	RD
402	Building materials, waste materials and soil	Compliance test for leaching (CEN)	AH1128W NEN-EN 12457 part 1,2,3 and 4 and NF EN 12457 part 2	RD



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<b>Organic analyses</b>				
74	Ground water, surface water, waste water, soil and sediment	Determination of the content of mineral oil; infrared spectrometric analysis	AH513W in house method	RD
372	Waste water	Determination of the content of oil and fat; infrared spectrometric analysis	AH513W in house method	RD
75	Ground water, surface water and waste water	Determination of the content of mineral oil; GC-FID	AH414W, AH203W in house method	RD
265	Ground water, surface water and waste water	Determination of the content of mineral oil; GC-FID	AH2028W, AH414W, AH203W NEN-EN-ISO 9377-2 and NF EN ISO 9377-2	RD
76	Soil and sediment	Determination of the content of mineral oil; GC-FID	AH413W, AH202W NEN-EN-ISO 16703	RD
355	Soil	Determination of the content of mineral oil; GC-FID	AH2000W, AH413W NEN-EN-ISO 16703, EN-ISO 16703, NF EN ISO 16703	RD
77	Soil and sediment	Determination of the content of organochloro pesticides and chlorobenzenes; GC-MS pentachlorobenzene, hexachlorobenzene, 1,3,5-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene, 1,2,3,4-tetrachlorobenzene, sum of 1,2,4,5-tetrachlorobenzene and 1,2,3,5-tetrachlorobenzene, endrin, aldrin, cis-chlordane, trans-chlordane, dieldrin, isodrin, telodrin, a-endosulfan, b-endosulfan, endosulfan sulphate, a-HCH, b-HCH, d-HCH, y-HCH, heptachlorine, cis-heptachloroepoxide, trans-heptachloroepoxide, quintozone, hexachlorobutadiene, o,p-DDD, o,p-DDE, o,p-DDT, p,p-DDD, p,p-DDE, p,p-DDT, sum of cis-chlordane and trans-chlordane, sum of cis-heptachloroepoxide and trans-heptachloroepoxide, and sum of alpha endosulfan and beta-endosulfan	AH423W, AH202W in house method	RD

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78	Soil and sediment	Determination of the content of polycyclic aromatic hydrocarbons (PAH) and polychlorobiphenyls (PCB); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,l)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-c,d)pyrene and the sum of these 10 PAH, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene and the sum of these 16 PAH, PCB28, PCB52, PCB101, PCB138, PCB153, PCB180 and the sum of these 6 PCB, PCB118 and the sum of these 7 PCB	AH416W, AH202W in house method	RD
356	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-c,d)pyrene, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene and the sum of these 16 PAH	AH2000W NEN-EN 17503, NF EN 17503, ISO 18287, NEN-ISO 18287, NF ISO 18287	RD
357	Soil	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180 and the sum of these 6 PCB, PCB118 and the sum of these 7 PCB	AH2000W NEN-EN 17322, NF EN 17322, EN 17322	RD
79	Ground water, surface water, waste water and adsorption tubes	Determination of the content of 16 polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene and the sum of these 10 PAH, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene and the sum of these 16 PAH	AH419W, AH203W, AH1123W in house method	RD

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80	Sediment	Determination of the content of volatile aromatic hydrocarbons and volatile halogenated hydrocarbons; GC-MS benzene, toluene, ethylbenzene, o-xylene, sum m/p-xylene, sum of xylenes, total BTEX, styrene, naphthalene, isopropylbenzene (cumene), tetrachloromethane, chloroform, 1,2-dichloropropane, tetrachloroethene, 1,1,1-trichloroethane, cis-1,2-dichloroethene, trichloroethene, 1,2-dichloroethane, 1,1,2-trichloroethane, dichloromethane, vinyl chloride, 1,1-dichloroethane, 1,1-dichloroethene, trans-1,2-dichloroethene, sum of cis-1,2-dichloroethene and trans-1,2-dichloroethene, monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of dichlorobenzenes	AH426W, AH202W in house method	RD

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268	Soil	Determination of the content volatile aromatic hydrocarbons and volatile halogenated hydrocarbons; GC-MS benzene, toluene, ethylbenzene, sum m/p xylene, o-xylene, sum of xylenes, total BTEX, styrene, isopropylbenzene(cumene), n-propylbenzene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, bromobenzene, 2-chlorotoluene, 4-chlorotoluene, 4-isopropyltoluene, n-butylbenzene, naphthalene, chloromethane, vinyl chloride, chloroethane, 1,1-dichloroethene, dichloromethane, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, sum of cis-1,2-dichloroethene and trans-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, tetrachloromethane, 1,2-dichloroethane, trichloroethene, 1,1,2-trichloroethane, tetrachloroethene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane hexachloroethane, pentachloroethane, bromomethane, 2,2-dichloropropane, bromochloromethane, 1,1-dichloropropene, 1,2-dichloropropane, dibromomethane, bromodichloromethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,3-dichloropropane, dibromochloormethaan, 1,2-dibromoethaan, monochlorobenzene, bromoform, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, som of dichlorobenzenes 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorobutadiene, 1,2,3-trichlorobenzene, MTBE, ETBE, indane, 1,2-diethylbenzene, 1,3-diethylbenzene, 1,4-diethylbenzene, 1,2,3,5-tetramethylbenzene, 1,2,3,4-tetramethylbenzene, 1,2,4,5-tetramethylbenzene, sum of cis-1,3-dichloropropene and trans-1,3-dichloropropene	AH426W, AH202W NEN-EN-ISO 22155, NF EN ISO 22155	RD
410	Soil	Determination of the content of Polycyclic Aromatic Hydrocarbons (PAHs); Determination of the sum of the volatile aromate Naphthalene; Headspace-GC-MS and Polycyclic Aromatic Hydrocarbons (PAHs); GC-MS naphthalene + phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3 cd)pyrene, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene	AH426W, AH202W, AH2000W, AH1604P in house method	RD

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84	Soil and ground water	Determination of the below-mentioned content of volatile aliphatic and aromatic fractions of hydrocarbons and volatile oil or GRO-volatile oil, being the sum of the volatile aliphatic and aromatic fractions: <b>GC-MS</b> Alifatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10, Aromatic fractions: >C6-C7, >C7-C8, >C8-C10, >C5-C10 Sum alifatic en aromatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10	AH426W, AH202W, AH203W in house method	RD
408	Soil and ground water	Determination of total oil (C5-C40) from the sum of the volatile aliphatic and aromatic fractions (C5-C10) and the content of mineral oil (C10-C40); GC-MS and GC-FID	AH426W, AH202W, AH203W, AH414W AH413W in house method	RD
409	Soil and ground water	Determination of total oil (C5-C35) from the sum of the volatile aliphatic and aromatic fractions (C5-C10) and the content of moderately volatile aliphatic and aromatic fractions of hydrocarbons (C10-C35); GC-MS and GC-FID	AH426W, AH202W, AH203W, AH1020W, AH414W AH413W in house method	RD

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266	Ground water and surface water	Determination of the content volatile halogenated hydrocarbons; GC-MS chloromethane, vinyl chloride, chloroethane, 1,1-dichloroethene, dichloromethane, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, sum of cis- 1,2-dichloroethene and trans-1,2-dichloroethene, chloroform, 1,1,1-trichloroethane, tetrachloromethane, 1,2-dichloroethane, trichloroethene, 1,1,2-trichloroethane, tetrachloroethene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, hexachloroethane, pentachloroethane, bromomethane, 2,2-dichloropropane, bromochloromethane, 1,1-dichloropropene, 1,2-dichloropropene, dibromomethane, bromodichloromethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,3-dichloropropene, dibromochloromethane, 1,2-dibromoethane, monochlorobenzene, bromoform, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, hexachlorbutadiene, 1,2,3-trichlorobenzene, 1,2,3-trichloropropane, bromobenzene, 2-chlorotoluene, 4-chlorotoluene, som of cis 1,3- dichloropropane and trans 1,3- dichloropropane	AH426W, AH203W NEN-EN-ISO 10301, NF EN ISO 10301, NEN-EN-ISO 20595, NF- ISO 20595, ISO 20595 and EN-ISO 20595	RD
267	Ground water and surface water	Determination of the content volatile aromatic hydrocarbons; GC-MS benzene, toluene, ethylbenzene, o-xylene, m/p-xylene, sum of xylenes, total BTEX, styrene, isopropylbenzen(cumene), n-propylbenzene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butylbenzene, 4-isopropyltoluene, n-butylbenzene, naftalene, MTBE, ETBE, indane, 1,2-diethylbenzene, 1,3-diethylbenzene, 1,4-diethylbenzene, 1,2,3,5-tetramethylbenzene, 1,2,3,4-tetramethylbenzene, 1,2,4,5-tetramethylbenzene	AH426W, AH203W ISO 11423-1, NF ISO 11423-1, NEN-EN-ISO 20595, NF-ISO 20595, ISO 20595 and EN-ISO 20595	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
87	Waste water	Simultaneous determination of the content of volatile compounds; GC-MS 1,1-dichloroethene, dichloromethane, trans-1,2-dichloroethene, 1,1-dichloroethane, cis-1,2-dichloroethene, sum of cis-1,2-dichloroethene and trans-1,2-dichloroethene, 2,2-dichloropropane, vinyl chloride, bromochloromethane, trichloromethane, 1,1,1-trichloroethane, 1,2-dichloroethane, 1,1-dichloropropene, benzene, tetrachloromethane, 1,2-dichloropropane, trichloroethene, dibromomethane, bromodichloromethane, trans-1,3-dichloropropene, cis-1,3-dichloropropene, toluene, 1,1,2-trichloroethane, 1,3-dichloropropane, dibromochloromethane, 1,2-dibromoethane, tetrachloroethene, monochlorobenzene, 1,1,1,2-tetrachloroethane, ethylbenzene, o-xylene, sum of m/p-xylene, sum of xylenes, total BTEX, tribromomethane, styrene, 1,1,1,2-tetrachloroethane, 1,2,3-trichloropropane, isopropylbenzene, bromobenzene, 2-chlorotoluene, 4-chlorotoluene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, tert-butylbenzene, sec-butylbenzene, n-butylbenzene, 1,3-dichlorobenzene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, sum of dichlorobenzenes, 4-isopropyltoluene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene, naphthalene, hexachlorobutadiene, MTBE, ETBE	AH426W, AH202W, AH203W NEN-EN-ISO 20595, NF-ISO 20595, ISO 20595 en EN-ISO 20595	RD
378	Ground water and surface water	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GCMS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-c,d)pyrene, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene and the sum of these 16 PAH	AH419W ISO 28540	RD
379	Ground water	Determination of the content of volatile aliphatic and aromatic fractions of hydrocarbons and volatile oil or GRO-volatile oil being the sum of the volatile aliphatic and aromatic fractions; GC-MS Aliphatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10, Aromatic fractions: >C6-C7, >C7-C8, >C8-C10, >C5-C10 Sum aliphatic en aromatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10	AH203W, AH426W in house method (measurement EN-ISO 16558-1; NEN-EN-ISO 16558-1, NF EN ISO 16558-1)	RD

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380	Soil	Determination of the content of volatile aliphatic and aromatic fractions of hydrocarbons and volatile oil or GRO-volatile oil being the sum of the volatile aliphatic and aromatic fractions; GC-MS Aliphatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10, Aromatic fractions: >C6-C7, >C7-C8, >C8-C10, >C5-C10 Sum aliphatic en aromatic fractions : >C5-C6, >C6-C8, >C8-C10, >C5-C10	AH202W, AH426W EN-ISO 16558-1; NEN-EN-ISO 16558-1, NF EN ISO 16558-1	RD
<b>Specials</b>				
271	Waste water, surface water, ground water	Determination of adsorbable organically bound halogens (AOX); microcoulometric analysis	AH410W NEN-EN-ISO 9562, NF EN ISO 9562	RD
72	Ground water, surface water and waste water	Determination of the content of halogen originated from non-volatile, extractable with hexane, organohalogen compounds (EOX); microcoulometric analysis	AH411W in house method	RD
73	Soil and sediment	Determination of the content of halogen originated from non-volatile, extractable with hexane, organohalogen compounds (EOX); microcoulometric analysis	AH411W in house method	RD
272	Waste water, ground water and surface water	Determination of the content of mineral oil C5-123trimethylbenzene; GC-FID headspace	AH1034W NF T90-124	RD
85	Soil and ground water	Determination of the content of semi-volatile aliphatic and aromatic fractions of hydrocarbons; GC-FID Alifatic fractions : C10-C12, C12-C16, C16-21, C21-C35 Aromatic fractions: C10-C12, C12-C16, C16-21, C21-C35 Som alifatic en aromatic fracties : C10-C12, C12-C16, C16-21, C21-C35	AH1020W, AH413W, AH414W, AH202W, AH203W in house method	RD



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422	Soil and ground water	Determination of the content of semi-volatile aliphatic and aromatic fractions of hydrocarbons; GC-FID Alifatic fractions : C10-C12, C12-C16, C16-21, C21-C35, C35-C40 Aromatic fractions: C10-C12, C12-C16, C16-21, C21-C35, C35-C40 Som alifatic en aromatic fracties : C10-C12, C12-C16, C16-21, C21-C35, C35-C40	AH1020W, AH413W, AH414W, AH202W, AH203W NVN-CEN ISO/TS 16558-2	RD
86	Waste water, ground water and surface water	Determination of the content of water soluble solvents; GC-FID methanol, ethanol, acetonitrile, acetone, 2-propanol, diethyl ether, tert-butanol, methyl acetate, 1-propanol, vinyl acetate, methylethylketone (MEK), 2-butanol, ethyl acetate, iso-butanol, 1-butanol, dioxane, propyl acetate, methylisobutylketone (MIBK), iso-butyl acetate, butyl acetate	AH1044W in house method	RD
365	Soil	Determination of the content of water soluble solvents; GC-FID 2-butanol, 1-propanol, 2-propanol, iso-butanol, ethanol, 1-butanol, tert-butanol, methanol, methylisobutylketone (MIBK), methylethylketone (MEK), acetone, acetonitrile, dioxane	AH1044W in house method	RD
396	Charcoal tubes used for air sampling	Determination of the contents of volatile aliphatic and aromatic fractions of hydrocarbons en the content of and volatile oil, being the sum of the volatile aliphatic and aromatic fractions; GC-MS Fraction C6-C8, C8-C10, C10-C12, C12-C16 Aliphatic fraction C6-C16 including partial fractions >C6-C8, >C8-C10, >C10-C12, >C12-C16 Aromatic fraction C6-C16 including partial fractions >C6-C7, >C7-C8, >C8-C10, >C10-C12, >C12-C16	AH1024W in house method	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
88	Charcoal tubes used for air sampling	Determination of the content of volatile compounds; GC-MS cis-1,2-dichloroethene, 2,2-dichloropropane, bromochloromethane, trichloromethane, 1,1,1-trichloroethane, 1,2-dichloroethane, 1,1-dichloropropene, benzene, tetrachloromethane, 1,2-dichloropropane, trichloroethene, dibromomethane, bromodichloromethane, trans-1,3-dichloropropene, cis-1,3-dichloropropene, toluene, 1,1,2-trichloroethane, 1,3-dichloropropane, dibromochloromethane, 1,2-dibromoethane, chlorobenzene, 1,1,1,2-tetrachloroethane, ethylbenzene, m/p-xylene, tribromomethane, o-xylene, 1,2,3-trichloropropane, isopropylbenzene, bromobenzene, 2-chlorotoluene, n-propylbenzene, 4-chlorotoluene, 1,3,5-trimethylbenzene, tert-butylbenzene, 1,2,4-trimethylbenzene, sec-butyl benzene, 4-isopropyltoluene, tetrachloroethene, styrene, 1,1-dichloroethene, trans-1,2-dichloroethene, hexachlorobutadiene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichloromethane, vinylchloride, xylenes, total BTEX, naphthalene, 1,1-dichloroethane, methyl(tert)butylether (MTBE), ethyl(tert)butylether (ETBE)	AH1024W in house method	RD
89	Ground water and surface water	Determination of the content of organochloro pesticides; GC-MS aldrin, cis-chloordane, trans-chloordane, dieldrin, a-endosulfan, b-endosulfan, endosulfan sulphate, endrin, a-HCH, b-HCH, d-HCH, y-HCH, heptachlorine, cis-heptachloroepoxide, trans-heptachloroepoxide, hexachlorobenzene, hexachlorobutadiene, isodrin, o,p-DDD, o,p-DDE, o,p-DDT, p,p-DDD, p,p-DDE, p,p-DDT, telodrin, quintozone	AH1010W in house method	RD
90	Ground water and surface water	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB 28, PCB 52, PCB 101, PCB 138, PCB 153, PCB 180 and the sum of these 6 PCB, PCB 118 and the sum of these 7 PCB	AH1010W in house method	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
381	Waste water	Determination of the content of organochloro pesticides and polychlorobiphenyls; GC-MS aldrin, chlordane-cis, chlordane-trans, dieldrin, endosulfan-a, endosulfan-b, endrin, HCH-a, HCH-b, HCH-d, HCH-y, heptachlorine, heptachloroepoxide-cis, heptachloroepoxide-trans, hexachlorobenzene (HCB), hexachlorobutadiene, isodrin, o,p-DDD, o,p-DDE, o,p-DDT, p,p-DDD, p,p-DDE, p,p-DDT, telodrin and quintozone, total drins, sum heptachloroepoxide, total DDE, total DDD, total DDT, sum aldrin/dieldrin, sum aldrin/dieldrin/endrin, Total HCH, sum chlordane, sum DDT, DDE, DDD PCB 28, PCB 52, PCB 101, PCB 138, PCB 153, PCB 180 and the sum of these 6 PCB, PCB 118 and the sum of these 7 PCB	AH1010W in house method	RD
91	Ground water and surface water	Determination of the content of chlorobenzenes; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,3,4-tetrachlorobenzene, the sum of 1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene	AH1010W in house method	RD
382	Ground water, surface water and waste water	Determination of the content of alkyl phenols; GC-MS 2,3,5-trimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 2-ethylphenol, 2-Isopropylphenol, 3,4,5-trimethylphenol, 3,4-dimethylphenol, sum of 3,5+2,3-dimethylphenol and 4-ethylphenol, 3-ethylphenol, phenol, m-cresol, o-cresol, p-cresol, para-(tert)butylphenol, thymol	AH2008W in house method (measurement NEN-EN 12673, NF EN 12673)	RD
383	Soil	Determination of the content of alkyl phenols in soil; GC-MS phenol, 2-ethylphenol, o-cresol, 3-ethylphenol, m-cresol, p-cresol, 2,5-dimethylphenol, 2,6-dimethylphenol, 2-isopropylphenol, 2,4-dimethylphenol, 3,4-dimethylphenol, sum of 2,3-dimethylphenol, 3,5-dimethylphenol and 4-ethylphenol, 2,3,5-trimethylphenol, 3,4,5-trimethylphenol, thymol, p-tert-butylphenol, sum of o-cresol, m-cresol and p-cresol	AH2018W ISO/TS 17182	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
93	Soil	Determination of the content of chlorophenols; GC-MS 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2-chloro-5-methylphenol, 4-chloro-2-methylphenol, 4-chloro-3-methylphenol, 2,3-dichlorophenol, sum of 2,4-dichlorophenol and 2,5-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, pentachlorophenol	AH1030W, AH2008W ISO/TS 17182	RD
384	Waste water, ground water and surface water	Determination of the content of chlorophenols; GC-MS 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,4-trichlorophenol, 2,3,5,6-tetrachlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,3-dichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4+2,5-dichlorophenol, 2,6-dichlorophenol, 2-chloro-5-methylphenol, 2-chlorophenol, 3,4,5-trichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, 3-chlorophenol, 4-chloro-2-methylphenol, 4-chloro-3-methylphenol, 4-chlorophenol, pentachlorophenol	AH2008W NEN-EN 12673, NF EN 12673	RD
94	Soil	Determination of the content of organonitrogen pesticides; GC-MS alachlor, atrazine, propazine, simazine, terbutryn	AH1025W in house method	RD
95	Soil	Determination of the content of organophosphor pesticides; GC-MS bromophos-ethyl, bromophos-methyl, chlorpyrifos-ethyl, chlorpyrifos-methyl, diazinon, dichlorphos, dimethoate, disulfoton, fenthion, malathion, sum of mevinphos-E and mevinphos-Z, parathion-ethyl, parathion-methyl	AH1025W in house method	RD
385	Waste water	Determination of the content of organonitrogen pesticides and organophosphor pesticides; GC-MS mevinfos(som), diazinon, malathion, bromofos-methyl, chloropyrifos-ethyl, parathion-methyl, chloropyrifos-methyl, parathion-ethyl, fenthion, bromofos-ethyl, dichlorovos, dimethoat, disulfoton, atrazine, terbutryn, propazine, simazine	AH1011W in house method	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
358	Bituminous materials	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-c,d)pyrene, acenaphthylene, acenaphthene, fluorene, pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene	AH1131W NEN EN 17503, NF EN 17503	RD
97	Soil, ground water, surface water	Determination of the content of alkylphenols; GC-MS/MS 2,3,5-trimethylphenol, 2-naftol, 2,3-xylenol, 2,6-xylenol, sum of 2,4-xylenol and 2,5-xylenol, 2-ethylphenol, sum of 3-ethylphenol, 3,5-xylenol and 4-ethylphenol, 2-isopropylphenol, 3,4,5-trimethylphenol, 3,4-xylenol, o-cresol, sum of m/p-cresols, p-tert-butylphenol, thymol	AH1007W in house method	RD
98	Soil, ground water, surface water	Determination of the content of chlorophenols; GC-MS/MS 2-chlorophenol, sum of 2,3-dichlorophenol 2,4-dichlorophenol and 2,5-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, sum of 2,3,4,5-tetrachlorophenol and 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, pentachlorophenol, 2-chloro-5-methylphenol, 4-chloro-2-methylphenol, 4-chloro-3-methylphenol, sum of 3-chlorophenol and 4-chlorophenol	AH1007W in house method	RD
99	Soil, ground water, surface water	Determination of the content of organo nitrogen pesticides(I); GC-MS/MS atrazine, simazine, propazine, terbutryn	AH1007W in house method	RD
100	Soil, ground water, surface water	Determination of the content of organo nitrogen pesticides(II); GC-MS/MS desethylatrazine, desisopropylatrazin, prometon, terbutylazin, sebutylazin, desmethryn, amethryn, promethryn, cyanazin, hexazinon	AH1007W in house method	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
101	Soil, ground water, surface water	Determination of the content of organochloro pesticides; GC-MS/MS a-HCH, quintozeen, b-HCH, y-HCH, d-HCH, heptachlorine, aldrin, telodrin, isodrin, cis-heptachloroepoxide, trans-heptachloroepoxide and the sum of these heptachloroepoxides, cis-chlordane, trans-chlordane, op-DDE, pp-DDE, op-DDD, pp-DDD, op-DDT, pp-DDT, a-endosulfan, b-endosulfan, dieldrin, endrin, endosulphansulphate	AH1007W in house method	RD
102	Soil, ground water, surface water	Determination of the content of organophosphor pesticides (I); GC-MS/MS dichlorphos, mevinphos-sum, demeton-O, demeton-S, dimethoate, diazinon, disulphoton, chlorpyriphos-methyl, parathion-methyl, chlorpyriphos-ethyl, malathion, fenthion, parathion-ethyl, bromophos-methyl, bromophos-ethyl	AH1007W in house method	RD
103	Soil, ground water, surface water	Determination of the content of organophosphor pesticides (II); GC-MS/MS ethoprophos, terbuphos, fonophos, primiphos-methyl, fenitrothion, chlorfenvinphos-I, chlorfenvinphos-II, methidation, triazophos, pyrazophos, azinphos-methyl, azinphos-ethyl, coumaphos	AH1007W in house method	RD
104	Soil, ground water, surface water	Determination of the content of polychlorobiphenyls (PCB); GC-MS/MS PCB 28, PCB 52, PCB 101, PCB 118, PCB 153, PCB 138, PCB 180	AH1007W in house method	RD
105	Soil, ground water, surface water	Determination of the content of chlorobenzenes; GC-MS/MS 1,3,5-trichlorobenzene, 1,2,4-trichlorobenzene, 1,2,3-trichlorobenzene, sum of 1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene, 1,2,3,4-tetrachlorobenzene, pentachlorobenzene, hexachlorobenzene	AH1007W in house method	RD
106	Soil, ground water, surface water	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS/MS 2-methylfluoranthene, acenaphthylene, acenaptene, fluorene, anthracene, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(123-cd)pyrene, dibenz(ah)anthracene, benzo(ghi)perylene	AH1007W in house method	RD

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107	Soil, ground water, surface water	Determination of the content of nitro phenols; GC-MS/MS 2-nitrophenol	AH1007W in house method	RD
108	Soil	Determination of the content of nitro phenols; GC-MS/MS 4-nitrophenol	AH1007W in house method	RD
109	Soil, ground water, surface water	Determination of the content of nitro benzenes; GC-MS/MS nitrobenzene, 2,4-dinitrotolueen, 2,6-dinitrotoluene	AH1007W in house method	RD
110	Soil, ground water, surface water	Determination of the content of aromatic anilines; GC-MS/MS 2-chloroaniline, sum of 3-chloroaniline and 4-chloroaniline, 3,4-dichloroaniline, 3,5-dichloroaniline, sum of 2,4-dichloroaniline and 2,5-dichloroaniline, 2,3-dichloroaniline, 2,6-dichloroaniline, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline	AH1028W in house method	RD
111	Soil, ground water, surface water	Determination of the content of chloronitrobenzene; GC-MS/MS sum of o-chloronitrobenzene and p-chloronitrobenzene, m-chloronitrobenzene, 3,5-dichloronitrobenzene, 2,5-dichloronitrobenzene, 2,4-dichloronitrobenzene, 3,4-dichloronitrobenzene, 2,3-dichloronitrobenzene	AH1007W in house method	RD
112	Soil, ground water, surface water	Determination of the content of several semi volatile organic compounds; GC-MS/MS bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, 4-chlorophenylphenylether, 4-bromophenylphenylether, p,p-methoxychlor, tetradifon (tedion), isophorone, 1-chloronaphthalene, 2-chloronaphthalene, 2-methylnaphthalene, 1-methylnaphthalene, biphenyl, biphenylether, dibenzofuran, carbazole, n-nitrosodi-n-propylamine, carbaryl, propachlor, DNOC(dinitro-ortho-cresol), trifluralin, azobenzene, dinoseb, bifenthrin, cis-permethrin, trans-permethrin, cypermethrin som, deltamethrin, tecnazeen, atraton, propetamphos, etrimphos, chlorothalonil, triallaat, simetryn, triadimefon, pendamethalin, ethion, carbophenotion, phosalon, hexachlorocyclopentadiene	AH1007W in house method	RD

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278	Bituminous materials	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH1131W, AH2011W NEN 7331	RD
411	Soil	Determination of the content of per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS PFBA (perfluor-n-butanoic acid), PFPeA (perfluor-n-pentanoic acid, PFHxA (perfluor-n-hexanoic acid), PFHpA (perfluor-n-heptanoic acid), PFOA (perfluor-n-octanoic acid), PFOA branched (perfluor-n-octanoic acid branched), Sum PFOA ( sum perfluor-n-octanoic acid linear/branched), PFNA (perfluor-n-n-octanoic acid), PFDA (perfluor-n-decanoic acid), PFUnDA (perfluor-n-undecanoic acid), PFDoDA (perfluor-n-dodecanoic acid), PFTrDA (perfluor-n-tridecanoic acid), PFTeDA (perfluor-n-tetradecanoic acid), PFHxDA (perfluor-n-hexadecanoic acid), PFOA (perfluor-n-octadecanoic acid), PFBS (perfluoro-1-butane sulfonic acid), PFPeS (perfluoro-1-pentane sulfonic acid), PFHxS (perfluoro-1-hexane sulfonic acid), PFHpS (perfluoro-1-heptane sulfonic acid), PFOS linear (perfluoro-1-octane sulfonic acid linear), PFOS branched (perfluoro-1-octane sulfonic acid branched), Sum PFOS (perfluoro-1-octane sulfonic acid linear/branched), PFDS (perfluoro-1-decan sulfonic acid), 4: 2 FTS (4:2 fluorotelomer sulfonic acid), 8:2 FTS (8:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), MeFOSAA (N-methylperfluorooctane sulfonamido acetic acid), EtFOSAA (N-ethylperfluorooctane sulfonamido acetic acid), PFOSA (perfluoro-1-octane sulfonamide), MeFOSA (N-methylperfluorooctane sulfonamide), 8: 2 DiPAP (8:2 polyfluoroalkyl phosphate diester), HFPO-DA (hexafluoropropylene oxide dimeric acid (GenX))	AH2020W NTA8065	RD



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
412	Sediment	Determination of the content of per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS PFBA (perfluor-n-butanoic acid), PFPeA (perfluor-n-pentanoic acid, PFHxA (perfluor-n-hexanoic acid), PFHpA (perfluor-n-heptanoic acid), PFOA (perfluor-n-octanoic acid), PFOA branched (perfluor-n-octanoic acid branched), Sum PFOA (sum perfluor-n-octanoic acid linear/branched), PFNA (perfluor-n-n-octanoic acid), PFDA (perfluor-n-decanoic acid), PFUnDA (perfluor-n-undecanoic acid), PFDoDA (perfluor-n-decanoic acid), PFTrDA (perfluoro-n-tridecanoic acid), PFTeDA (perfluoro-n-tetradecanoic acid), PFHxDA (perfluoro-n-hexadecanoic acid), PFOA (perfluoro-n-octadecanoic acid), PFBS (perfluoro-1-butane sulfonic acid), PFPeS (perfluoro-1-pentane sulfonic acid), PFHxS (perfluoro-1-hexane sulfonic acid), PFHpS (perfluoro-1-heptane sulfonic acid), PFOS linear (perfluoro-1-octane sulfonic acid linear), PFOS branched (perfluoro-1-octane sulfonic acid branched), Sum PFOS (perfluoro-1-octane sulfonic acid linear/branched), PFDS (perfluoro-1-decane sulfonic acid), 4:2 FTS (4:2 fluorotelomer sulfonic acid), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 8:2 FTS (8:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), MeFOSAA (N-methylperfluorooctane sulfonamido acetic acid), EtFOSAA (N-ethylperfluorooctane sulfonamido acetic acid), PFOSA (perfluoro-1-octane sulfonamide), MeFOSA (N-methylperfluorooctane sulfonamide), 8:2 DiPAP (8:2 polyfluoroalkylphosphate diester), HFPO-DA (hexafluoropropylene oxide dimeric acid (GenX)), 8:2 diPAP 8:2 Fluorotelomer unsaturated carboxylic acid, 9Cl-PF3ONS (9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (F53-B)), DONA (4,8-Dioxo-3H-perfluoropropylene oxide sulfonic acid), FBSA (Perfluor-1-butane sulfonamide), H4-PFHpA (2H,2H,3H,3H-Perfluorundecanoic acid), HPFHpA (7H-Perfluoro-heptanoic acid), MeFBSA (N-Methylperfluorobutane sulfonamide), N-MeFOSAA (N-Methylperfluorobutane sulfonylamide acetate), N-EtFOSAA (N-Ethyl perfluorooctane sulfonamide), P37DMOA (Perfluor-3,7-dimethyloctanoic acid)	AH2020W NTA8065	RD

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **L 028**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
413	Wastewater	Determination of the content of per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS PFBA (perfluor-n-butanoic acid), PFPeA (perfluor-n-pentanoic acid), PFHxA (perfluor-n-hexanoic acid), PFHpA (perfluor-n-heptanoic acid), PFOA (perfluor-n-octanoic acid), PFOA branched (perfluor-n-octanoic acid branched), PFOA linear (perfluor-n-octanoic acid linear) Total PFOA ( total perfluor-n-octanoic acid linear/branched), PFNA (perfluor-n-nonanoic acid), PFDA (perfluor-n-decanoic acid), PFUnDA (perfluor-n-undecanoic acid), PFDoDA (perfluor-n-decanoic acid), PFTrDA (perfluor-n-tridecanoic acid), PFBS (perfluor-1-butanesulfonic acid), PFPeS (perfluor-1-pentanesulfonic acid), PFHxS linear (perfluoro-1-hexane sulfonic acid linear), PFHxS branched (perfluoro-1-hexane sulfonic acid branched), PFHxS total (perfluoro-1-hexane sulfonic acid total), PFHpS (perfluoro-1-heptane sulfonic acid), PFOS (perfluoro-1-octane sulfonic acid), PFOS branched (perfluoro-1-octane sulfonic acid branched), total PFOS (perfluoro-octane sulfonic acid total), PFDS (perfluoro-1-decane sulfonic acid), PFNS ( Perfluoro-n-decane sulfonic acid), PFDoDS ( Perfluoro-n-decane sulfonic acid) PFUnDS ( Perfluoro-n-undecane sulfonic acid), PFTrDS ( Perfluoro-n-tridecane sulfonic acid), 8: 2 FTS ( 8:2 fluorotelomer sulfonic acid), N-MeFOSAA ( N-Methylperfluorobutane sulfonylamide acetate), N-EtFOSAA ( N-Ethyl perfluorooctane sulfonamide)	AH2021 NEN-ISO 21675	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
414	Wastewater	<p>Determination of the content of per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS</p> <p>PFBA (perfluor-n-butanoic acid), PFPeA (perfluor-n-pentanoic acid), PFHxA (perfluor-n-hexanoic acid), PFHpA (perfluor-n-heptanoic acid), PFOA (perfluor-n-octanoic acid), PFOA linear (perfluor-n-octanoic acid linear) Sum PFOA ( total perfluor-n-octanoic acid linear/branched), PFNA (perfluor-n-n-octanoic acid), PFDA (perfluor-n-decanoic acid), PFUnDA (perfluor-n-undecanoic acid), PFDoDA (perfluor-n-decanoic acid), PFTeDA (perfluoro-n-tetradecanoic acid), PFHxDA (perfluoro-n-hexadecanoic acid), PFBS (perfluoro-1-butanesulfonic acid), PFPeS (perfluoro-1-pentanesulfonic acid), PFHxS linear (perfluoro-1-hexanesulfonic acid linear), PFHxS total (perfluoro-1-hexane sulfonic acid total), PFHpS (perfluoro-1-heptane sulfonic acid), PFOS (perfluoro-1-octane sulfonic acid), total PFOS (perfluoro-1-octane sulfonic acid total), PFDS (perfluoro-1-decane sulfonic acid), 4: 2 FTS (4:2 fluorotelomer sulfonic acid), PFOSA linear(perfluoro-1-octane sulfonamide), PFOSA total(perfluoro-1-octane sulfonamide), 8:2 DiPAP (8: 2 polyfluoroalkyl phosphate diester), HFPO-DA (hexafluoropropylene oxide dimeric acid (GenX)), EtPFOSA linear (n-ethyl perfluorooctane sulfonamide), Total EtPFOSA (n-ethyl perfluorooctane sulfonamide), MePFBSAA (perfluorobutane sulfonamide(N-methyl)acetate), DONA (4, 8-Dioxa-3H-perfluorooctane sulfonic acid), MeFBSA (N-Methyl perfluorobutane sulfonamide), MePFBSA (n-methyl perfluorobutane sulfonamide) PFBSA (perfluorobutane sulfonamide), PFECHS (Perfluoro-4-ethylcyclohexane sulfonic acid), PFNS ( Perfluoro-nonane sulfonic acid), PFHxSA (perfluorohexane sulfonamide)</p> <p>PFTrDA (perfluorotridecanoic acid), PFODA (perfluorooctadecanoic acid), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), PFDoDS ( Perfluoro-n-dodecanoic sulfonic acid ), 6: 2 diPAP ( 6:2 fluorotelomer phosphate diester ), 6:2/8:2 diPAP ( 6:2/8:2 fluorotelomer phosphate diester ), PFUnDS ( Perfluoro-n-undecane sulfonic acid ), PFTrDS ( Perfluoro-n-tridecan sulfonic acid )</p>	<p>AH2021W                      Ontwerp WAC/IV/A/025</p>	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
415	Groundwater and surfacewater	<p>Determination of the content of per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS</p> <p>PFBA (perfluor-n-butanoic acid), PFPeA (perfluor-n-pentanoic acid), PFHxA (perfluor-n-hexanoic acid), PFHpA (perfluor-n-heptanoic acid), PFOA (perfluor-n-octanoic acid), PFOA linear (perfluor-n-octanoic acid linear) Sum PFOA ( total perfluor-n-octanoic acid linear/branched), PFNA (perfluor-n-n-octanoic acid), PFDA (perfluor-n-decanoic acid), PFUnDA (perfluor-n-undecanoic acid), PFDoDA (perfluor-n-decanoic acid), PFTeDA (perfluoro-n-tetradecanoic acid), PFHxDA (perfluoro-n-hexadecanoic acid), PFBS (perfluoro-1-butanesulfonic acid), PFPeS (perfluoro-1-pentanesulfonic acid), PFHxS linear (perfluoro-1-hexanesulfonic acid linear), PFHxS total (perfluoro-1-hexane sulfonic acid total), PFHpS (perfluoro-1-heptane sulfonic acid), PFOS (perfluoro-1-octane sulfonic acid), total PFOS (perfluoro-1-octane sulfonic acid total), PFDS (perfluoro-1-decane sulfonic acid), 4: 2 FTS (4:2 fluorotelomer sulfonic acid), PFOSA linear(perfluoro-1-octane sulfonamide), PFOSA total(perfluoro-1-octane sulfonamide), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 8:2 DiPAP (8: 2 polyfluoroalkyl phosphate diester), HFPO-DA (hexafluoropropylene oxide dimeric acid (GenX)), EtPFOSA linear (n-ethyl perfluorooctane sulfonamide), Total EtPFOSA (n-ethyl perfluorooctane sulfonamide), MePFBSAA (perfluorobutane sulfonamide(N-methyl)acetate), DONA (4, 8-Dioxa-3H-perfluorooctane sulfonic acid), MeFBSA (N-Methyl perfluorobutane sulfonamide), MePFBSA (n-methyl perfluorobutane sulfonamide) PFBSA (perfluorobutane sulfonamide), PFECHS (Perfluoro-4-ethylcyclohexane sulfonic acid), PFNS ( Perfluoro-nonane sulfonic acid), PFHxSA (perfluorohexane sulfonamide)</p> <p>PFTrDA (perfluorotridecanoic acid), PFODA (perfluorooctadecanoic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), PFDoDS ( Perfluoro-n-dodecanoic sulfonic acid ), 6:2 diPAP ( 6: 2 fluorotelomer phosphate diester), 6:2/8:2 diPAP ( 6:2/8:2 fluorotelomer phosphate diester), PFUnDS ( Perfluoro-n-undecane sulfonic acid ), PFTrDS ( Perfluoro-n-tridecane sulfonic acid )</p>	AH2021W Ontwerp WAC/IV/A/025	RD

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **L 028**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Flexible scope<sup>2</sup> (AH3000P)</b>				
302	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of elements; ICP-MS	AH1111W, AH1126W, AH326W	RD
303	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of elements; ICP-AES	AH353W	RD
304	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of mercury; cold vapour AFS	AH309W	RD
305	Soil-like materials, water, building materials and rubble	Determination of pH; potentiometric analysis	AH536W, AH1102W	RD
306	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of polycyclic aromatic hydrocarbons (PAH) and polychlorobiphenyls (PCB); GC-MS	AH416W, AH419W, AH1131W	RD
307	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of mineral oil; GC-FID	AH414W, AH413W	RD
308	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of phenols (alkyl-, chloro-, nitro); GC-MS/MS	AH1030W, AH1007W	RD
309	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of volatile organic hydrocarbons; headspace GC-MS	AH426W	RD
310	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of volatile aliphatic and aromatic fractions of hydrocarbons and volatile oil; headspace GC-MS	AH426W	RD

<sup>2</sup> The laboratory is obliged to maintain an up-to-date list of activities performed under this flexible scope. This list can be requested from the laboratory.

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
311	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of semi-volatile aliphatic and aromatic fractions of hydrocarbons: GC-MS	AH413W, AH414W, AH1020W	RD
312	Solid environmental matrices	Determination of the leaching of inorganic components with a column test	AH1114W	RD
313	Solid environmental matrices	Determination of the leaching of inorganic components with a diffusion test	AH1129W	RD
314	Solid environmental matrices	Determination of the availability of inorganic components for leaching; shake test	AH1116W	RD
315	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of organic contaminants; GC-MS/MS	AH423W, AH1010W, AH1025W, AH1007W, AH1066W	RD
316	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of organic contaminants; liquid chromatographic and spectrometric techniques	AH2020W	RD
--	Soil-like materials, building materials and rubble	Sample pretreatment	AH1100W, AH100W	RD
317	Soil-like materials, water, building materials and rubble	Determination of the Acid Neutralization Capacity (ANC): titrimetric analysis	AH1137W	RD
318	Soil-like materials, water, building materials and rubble	Determination of the content of TOC; infrared spectrophotometric analysis	AH548W, AH550W	RD
347	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of dry matter; gravimetric analysis	AH101W, AH1100W	RD
348	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of water soluble solvents; GC-FID	AH1044W	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
349	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of cations and anions by continuous flow analysis; spectrophotometric analysis	AH521W	RD
350	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of cations and anions; spectrophotometric analysis	AH520W, AH522W	RD
351	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of cations and anions by discrete analyzer; spectrophotometric analysis	AH529W	RD
352	Soil-like materials, water, building materials, rubble, sorbents and filters	Determination of the content of cations and anions; ion chromatography	AH1125W	RD
323	Bituminous bound mixtures	Determination of the thickness of layers; ruler	AH1127W	RD
324	Bituminous bound mixtures	Detection of polycyclic aromatic hydrocarbons (PAH); thin layer chromatography (TLC)	AH1133W	RD
325	Bituminous bound mixtures	Detection of polycyclic aromatic hydrocarbons (PAH); PAH-detector	AH1127W	RD
333	Solid materials, filters, sedimented dust, adhesive samples, soil-like materials, building waste, demolition waste, granulate and water	Quantitative determination of asbestos; using stereo and polarized light microscopy (if necessary supplemented with SEM, Scanning Electron Microscopy and X-ray microanalysis)	AH600W, AH602W, AH603W	RD

**Asbestos analyses**

137	Bulk materials	Determining the content of asbestos; stereo and polarized light microscopy (if necessary supplemented with SEM, Scanning Electron Microscopy and X-ray microanalysis) chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	AH600W, AH602W and AH603W NEN 5896	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
138	Sedimented dust, adhesive samples	Determining the content of asbestos; stereo and polarized light microscopy (if necessary supplemented with SEM, Scanning Electron Microscopy and X-ray microanalysis) chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	AH600W, AH602W and AH603W NEN 2991	RD
140	Filters	Determining the fiber density of asbestos; Scanning Electron Microscopy and polarized light microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	AH602W ISO 14966	RD
259	Water	Determining the content of asbestos; Scanning Electron Microscopy and polarized light microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	AH602W in house method	RD
359	Soil, sediment, waste materials, demolition waste and granulate	Determining the content of asbestos; stereo and polarized light microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	AH600W, AH602W and AH603W NEN 5898:2015	RD
395	Recycled granulates, soil, waste materials and other materials	Quantitative determination of asbestos using stereo and polarized light microscopy (if necessary supplemented with SEM, Scanning Electron Microscopy)	AH603W, AH600W, AH602W CMA/2/II/C.2	RD

#### Road building

141	Asphalt cores	Determination of layer thickness and construction building in cores; ruler	AH1127W RAW 2015 test 77.1 RAW 2020 test 77.1	RD
142	Asphalt	Detection of polycyclic aromatic hydrocarbons (PAH); thin layer chromatography (TLC)	AH1133W RAW 2015 test 77.3 RAW 2020 test 77.3	RD
143	Asphalt cores	Detection of polycyclic aromatic hydrocarbons (PAH); PAH-detector	AH1127W RAW 2015 test 77.2 RAW 2020 test 77.2	RD

#### AP04-verrichtingen (versie 23-04-2020) (NAW-0132), pakket SG1 (samenstelling grond) (versie 23-04-2020) (NAW-0132-3) volledig pakket

--	Soil	Sample pretreatment for AP04-SG1	AH1100W AP04-V and NEN-EN 16179	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
144	Soil	Determination of pH-CaCl <sub>2</sub> ; potentiometric analysis	AH1100W, AH536W AP04-SG-I and NEN-ISO 10390	RD
145	Field moist and air dried soil	Determination of the content of dry matter; gravimetric analysis	AH1100W AP04-SG-II and NEN-EN 15934	RD
146	Soil	Determination of clay content; pipette method	AH1117W AP04-SG-III and NEN 5753	RD
147	Soil	Determination of organic matter; gravimetric analysis	AH1100W AP04-SG-IV and NEN 5754	RD
150	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene and indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH416W, AH205W AP04-SG-IX	RD
151	Soil	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB 28 (2,4,4' trichlorobiphenyl) PCB 52 (2,5 2,5' tetrachlorobiphenyl), PCB 101 (2,4,5 2',5' pentachlorobiphenyl) PCB 118 (2,4,5 3',4' pentachlorobiphenyl) PCB 138 (2,3,4 2',4',5' hexachlorobiphenyl) PCB 153 (2,4,5 2',4',5' hexachlorobiphenyl) PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl) and the sum of these 7 PCB	AH416W, AH205W AP04-SG-X	RD
152	Soil	Determination of the content of mineral oil; GC-FID	AH413W, AH205W AP04-SG-XI and NEN-EN-ISO 16703	RD
326	Soil	Determination of the content of elements; ICP-MS antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, molybdenum, tin, vanadium, zinc	AH1111W, AH301W AP04-SG-V and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD
327	Soil	Determination of the content of non-volatile mercury; ICP-MS	AH1111W, AH301W AP04-SG-VI and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SG2 (samenstelling grond)</b> (versie 23-04-2020) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG2	AH1100W AP04-V and NEN-EN 16179	RD
153	Soil	Determination of the content of organochloro pesticides (OCP's); GC-MS hexachlorobenzene (HCB), $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), delta-hexachlorocyclohexane ( $\delta$ -HCH), aldrin, dieldrin, endrin, sum of these three "drin's", o,p'-DDD, p,p'-DDD, sum of these two DDD's, p,p'-DDE, o,p'-DDE, sum of these two DDE's, o,p'-DDT, p,p'-DDT, sum of these two DDT's, isodrin, telodrin, hexachlorobutadien, heptachlor, $\alpha$ -endosulfan, cis-heptachloroepoxide, trans-heptachloroepoxide, sum of these two heptachloroepoxides, cis-chlordane, trans-chlordane, the sum of these two chlordanes, endosulfan sulphate and the sum of organochloro pesticides	AH423W, AH205W AP04-SG-XIV	RD
154	Soil	Determination of the content of non-volatile chlorobenzenes; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, sum of 1,2,3,4-tetrachlorobenzene and 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, sum of these three tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene	AH423W, AH205W AP04-SG-XV	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SG3 (samenstelling grond)</b> (versie 23-04-2020) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG3	AH1100W AP04-V and NEN-EN 16179	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
155	Soil	Determination of the content of volatile aromatic hydrocarbons and volatile halogenated hydrocarbons, MTBE and ETBE; GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, sum of m/p- xylene, sum of xylenes, styrene and the sum of volatile aromatic hydrocarbons volatile halogenated hydrocarbons: monochloroethene (vinyl chloride) dichloromethane, trichloromethane, tetrachloromethane, trichloroethene, tetrachloroethene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, sum of 1,2-dichloroethenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane and the sum of these three dichloropropanes other volatile components: methyl(tert)butylether(MTBE), ethyl(tert)butylether (ETBE)	AH426W, AH205W AP04-SG-VIII and NEN-EN-ISO 22155	RD
156	Soil	Determination of the content of volatile chlorobenzenes; GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the-sum of these three dichlorobenzenes	AH426W, AH205W AP04-SG-XV and NEN-EN-ISO 22155	RD

**AP04-voorzieningen** (versie 23-04-2020) (NAW-0132), **pakket SG4 (samenstelling grond)** (versie 23-04-2020) (NAW-0132-3)  
**volledig pakket**

--	Soil	Sample pretreatment for AP04-SG4	AH1100W AP04-V and NEN-EN 16179	RD
157	Soil	Determination of the content of cyanides (free and total) by continuous flow analysis; spectrophotometric analysis	AH530W AP04-SG-VII and NEN-EN-ISO 17380	RD
158	Soil	Determination of the content of chloride; ion chromatographic analysis	AH1125W AP04-SG-XII (measurement NEN-EN-ISO 10304-1)	RD

**AP04-voorzieningen** (versie 23-04-2020) (NAW-0132), **pakket SG5 (samenstelling grond)** (versie 23-04-2020) (NAW-0132-3)  
**volledig pakket**

--	Soil	Sample pretreatment for AP04-SG5	AH1100W AP04-V and NEN-EN 16179	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
159	Soil	Determination of the content of chlorophenols; GC-MS 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, the sum of these three monochlorophenols, 2,3-dichlorophenol, the sum of (2,4-dichlorophenol and 2,5-dichlorophenol) 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, the sum of these six dichlorophenoles, 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, the sum of these six trichlorophenols, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, the sum of these three tetrachlorophenols, pentachlorophenol	AH1030W AP04-SG-XIII and ISO/TS 17182	RD
160	Soil	Determination of the content of organo nitrogen pesticides and organo phosphor pesticides; GC-MS atrazine, propazine, simazine, terbutryn, azinfos-methyl, bromofos-ethyl, bromofos-methyl, chlorpyriphos-ethyl, dichlorophos, disulphoton, fenthion, malathion, parathion-ethyl, parathion-methyl and the sum of these organo nitrogen and organo phosphor pesticides	AH1025W AP04-SG-XVI	RD
161	Soil	Determination of the content of aromatic solvents; GC-MS 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-ethyltoluene, the sum of 3-ethyltoluene and 4-ethyltoluene, isopropylbenzene, propylbenzene and the sum of these aromatic solvents	AH426W, AH205W AP04-SG-XVII and NEN-EN-ISO 22155	RD
328	Soil	Determination of the content of elements; ICP-MS silver	AH1111W, AH301W AP04-SG-V and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD

**AP04-voorzieningen** (versie 23-04-2020) (NAW-0132), **pakket SG6 (samenstelling grond)** (versie 23-04-2020) (NAW-0132-3)  
**volledig pakket**

--	Soil	Sample pretreatment for AP04-SG6	AH1100W AP04-V and NEN-EN 16179	RD
164	Soil	Quantitative determination of asbestos; using stereo and polarized light microscopy chrysotile, crocidolite, amosite, anthophyllite fibers, actinolite fibers, tremolite fibers	AH600W, AH602W, AH603W AP04-SG-XVIII and NEN 5898:2015	RD

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **L 028**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SG8 (samenstelling grond)</b> (versie 23-04-2020) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG-8	AH1100W AP04-V and NEN-EN 16179	RD
329	Soil	Determination of the content of elements; ICP-MS beryllium, selenium, thallium, tellurium	AH1111W, AH301W AP04-SG-V and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SG10 (samenstelling grond)</b> (versie 23-04-2020) (NAW-132-3) <b>volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG-10	AH1100W AP04-V and NEN-EN 16179	RD
416	Soil	Determination of the content of per- and polyfluoroalkyl substances (PFAS); LC-MS-MS PFBA (perfluorobutanoic acid), PFPeA (perfluoropentanoic acid), PFHxA (perfluorohexanoic acid), PFHpA (perfluoroheptanoic acid), PFOA linear (perfluorooctanoic acid), PFOA branched (perfluorooctanoic acid), PFOA sum (0.7 factor), PFNA (perfluorononanoic acid), PFDA (perfluorodecanoic acid), PFUnDA (perfluoroundecanoic acid), PFDoDA (perfluorododecanoic acid), PFTeDA (perfluorotetradecanoic acid), PFHxDA (perfluorohexadecanoic acid), PFODA (perfluorooctadecanoic acid), PFBS (perfluorobutane sulfonic acid), PFPeS (perfluoropentane sulfonic acid), PFHxS (perfluorohexane sulfonic acid), PFHpS (perfluoroheptane sulfonic acid), PFOS linear (perfluorooctane sulfonic acid), PFOS branched (perfluorooctane sulfonic acid), PFOS sum (0.7 factor), PFDS (perfluorodecane sulfonic acid), 4:2 FTS (4:2 fluorotelomer sulfonic acid), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 8:2 FTS (8:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), MePFOSAA (N-methylperfluorooctane sulfonamidoacetic acid), EtPFOSAA (N-ethylperfluorooctane sulfonamidoacetic acid), PFOSA (perfluorooctanesulfonamide), MePFOSA (N-methylperfluorooctanesulfonamide), 8:2 DiPAP (8:2 polyfluoroalkyl phosphate diester)	AH2020W AP04-SG-XX	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
417	Soil	Determination of the content of other per- and polyfluoroalkyl compounds (PFAS); LC-MS/MS HFPO-DA (2,3,3,3-tetrafluor-2 (hexafluoropropyleneoxide) dimer acid)	AH2020W AP04-SG-XXI	RD

**AP04-verrichtingen** (versie 23-04-2020) (NAW-0132), **pakket SB1 (samenstelling bouwstoffen, niet zijnde grond)** (versie 23-04-2020) (NAW-0132-2)

**volledig pakket**

--	Building materials	Sample pretreatment for AP04-SB1	AH1100W AP04-V	RD
168	Field moist and air dried building materials and waste	Determination of the content of dry matter; gravimetric analysis	AH1100W AP04-SB-I	RD
169	Building materials (except bitumen)	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene and indeno(1,2,3-cd)pyrene, and the sum of these 10 PAH	AH416W, AH205W AP04-SB-III	RD
170	Building materials	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB 28 (2,4,4' trichlorobiphenyl), PCB 52 (2,5 2,5' tetrachlorobiphenyl), PCB 101 (2,4,5 2',5' pentachlorobiphenyl), PCB 118 (2,4,5 3',4' pentachlorobiphenyl), PCB 138 (2,3,4 2',4',5' hexachlorobiphenyl), PCB 153 (2,4,5 2',4',5' hexachlorobiphenyl), PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl) and the sum of these 7 PCB	AH416W, AH205W AP04-SB-IV	RD
171	Building materials	Determination of the content of mineral oil; GC-FID	AH413W, AH205W AP04-SB-V (measurement NEN-EN-ISO 16703)	RD

**AP04-verrichtingen** (versie 23-04-2020) (NAW-0132), **pakket SB3 (samenstelling bouwstoffen, niet zijnde grond)** (versie 23-04-2020) (NAW-0132-2)

**volledig pakket**

--	Building materials	Sample pretreatment for AP04-SB3	AH1100W AP04-V	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
176	Building materials	Determination of the content of volatile aromatic hydro carbons (BTEX); GC-MS benzene, toluene, ethylbenzene, styrene, o-xylene, sum of m/p- xylene and the sum of xylenes	AH426W, AH205W AP04-SB-II	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SB4 (samenstelling bouwstoffen, niet zijnde grond)</b> (versie 23-04-2020) (NAW-0132-2) <b>volledig pakket</b>				
--	Bituminous materials	Sample pretreatment for AP04-SB4	AH1100W AP04-V	RD
177	Bituminous materials	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene and indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH1131W, AH2011W AP04-SB-VII and NEN 7331	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SB5 (samenstelling bouwstoffen, niet zijnde grond)</b> (versie 23-04-2020) (NAW-0132-2) <b>volledig pakket</b>				
--	Building materials	Sample pretreatment for AP04-SB5	AH1100W AP04-V	RD
178	Building materials	Quantitative determination of asbestos; using stereo and polarized light microscopy chrysotile, crocidolite, amosite, anthophyllite fibers, actinolite fibers, tremolite fibers	AH600W, AH602W, AH603W AP04-SB-VI and NEN 5898:2015	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket SB6 (samenstelling bouwstoffen, niet zijnde grond)</b> (versie 23-04-2020) (NAW-0132-2) <b>volledig pakket</b>				
--	Building materials	Sample pretreatment for AP04-SB6	AH1100W AP04-V	RD
282	Building materials	Determination of de content of phenol; GC-MS	AH1030W AP04-SB-XIII	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket U1 (uitloogonderzoek; grond, niet-vormgegeven en vormgegeven bouwstoffen; niet diffusiebepaalde uitloging)</b> (versie 23-04-2020) (NAW-0132-4) <b>volledig pakket</b>				
--	Soil and building materials	Sample pretreatment for AP04-U1 (and AP04-E)	AH1100W AP04-V	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
403	Soil and building materials	Determination of the emission of inorganic components with a column test  The corresponding results of the leaching tests package "AP04-activities, analyses of leaching"	AH1114W AP04-U-I and NEN 7383	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket U2 (uitloogonderzoek; vormgegeven bouwstoffen; diffusiebepaalde uitloging)</b> (versie 23-04-2020) (NAW-0132-4) <b>volledig pakket</b>				
--	Building materials and monolithic materials	Sample pretreatment for AP04-U2 (and AP04-E)	AH1100W AP04-V	RD
404	Building materials and monolithic materials	Determination of the emission of inorganic components with a diffusion test  The corresponding results of the leaching tests package "AP04-activities, analyses of leaching"	AH1129W AP04-U-II and NEN 7375	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket U3 (uitloogonderzoek; vormgegeven bouwstoffen; diffusiebepaalde uitloging)</b> (versie 23-04-2020) (NAW-0132-4) <b>volledig pakket</b>				
--	Building materials and waste materials	Sample pretreatment for AP04-U3 (and AP04-E)	AH1100W AP04-V	RD
405	Building materials and waste materials	Determination of the availability of inorganic components for leaching  The corresponding results of the leaching tests package "AP04-activities, analyses of leaching"	AH1116W AP04-U-III and NEN 7371	RD
<b>AP04-verrichtingen</b> (versie 23-04-2020) (NAW-0132), <b>pakket E (analyse van eluaten)</b> (versie 23-04-2020) (NAW-0132-1) <b>volledig pakket</b>				
179	Eluates	Determination of pH; potentiometric analysis	AH1102W AP04-U-IV and NEN-ISO 10523	RD
180	Eluates	Determination of conductivity; conductometric analysis	AH1102W AP04-U-V and NEN-ISO 7888, EN 27888	RD



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
181	Eluates	Determination of the content of elements; ICP-MS lead, cadmium, zinc, nickel, arsenic, calcium, chromium, copper, molybdenum, barium, tin, cobalt, antimony, selenium, vanadium	AH1126W, AH2010W AP04-E-I, -II, -III, -IV, -V, -VI, -VII, - IX, X, XI, -XII, -XIII, -XIV, -XV, -XIX and NEN-EN-ISO 17294-2	RD
182	Eluates	Determination of the content of mercury; cold vapour AFS	AH309W, AH2010W AP04-E-VIII and NEN-EN-ISO 17852	RD
183	Eluates	Determination of the content of cyanides (free and complex); spectrophotometric analysis	AH530W AP04-E-XVI and NEN-EN-ISO 14403-2	RD
184	Eluates	Determination of the content of fluoride, bromide, chloride and sulphate; ion chromatographic analysis	AH1125W AP04-E-XVII, -XVIII and NEN-EN-ISO 10304-1	RD
185	Eluates	Determination of the content of fluoride; potentiometric analysis	AH1108W AP04-E-XVIII and NEN 6578	RD

**AP04-verrichtingen** (versie 23-04-2020) (NAW-0132), **pakket Bm/Bssa, korrelvormige afvalstoffen** (versie 23-04-2020) (S352)  
**volledig pakket**

--	Granular waste	Sample pretreatment for AP04-Bm/Bssa	AH1100W AP04-V	RD
187	Granular waste	Determination of the content of dry matter; gravimetric analysis	AH1100W AP04-SB-I and NEN-EN 14346:2007	RD
188	Granular waste	Determination of the Loss On Ignition (LOI); gravimetric analysis	AH1100W AP04-SB-IX and NEN 6499	RD
189	Granular waste	Determination of TOC; infrared spectrophotometric analysis	AH550W AP04-SB-X and NEN-EN 13137:2001 and NEN-EN- 15936 (method B)	RD
190	Granular waste	Determination of the pH-CaCl <sub>2</sub> ; potentiometric analysis	AH1100W, AH536W AP04-SB-XI	RD
191	Granular waste	Determination of the Acid Neutralization Capacity (ANC); titrimetric analysis	AH1137W AP04-SB-XII	RD
406	Granular waste	Short leaching test for granulated waste (CEN)	AH1128W AP04-U-VIII and NEN-EN 12457-4	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
192	Eluates	Determination of the pH; potentiometric analysis	AH1102W AP04-U-IV and NEN-EN-ISO 10523	RD
193	Eluates	Determination of the conductivity; conductometric analysis	AH1102W AP04-U-V and NEN-ISO 7888, EN 27888	RD
194	Eluates	Determination of the content of elements; ICP-MS lead, cadmium, zinc, nickel, arsenic, chromium, copper, molybdenum, barium, antimony, selenium	AH1126W, AH2010W AP04-E-I, -II, -III, -IV, -V, -VI, -VII, -IX, -X, -XIII, -XIV and NEN-EN-ISO 17294-2	RD
195	Eluates	Determination of the content of mercury; cold vapour AFS	AH309W, AH2010W AP04-E-VIII and NEN-EN-ISO 17852	RD
196	Eluates	Determination of the content of fluoride, chloride and sulphate; ion chromatographic analysis	AH1125W AP04-E-XVII and NEN-EN-ISO 10304-1	RD
197	Eluates	Determination of the content of fluoride; potentiometric analysis	AH1108W AP04-E-XVIII and NEN 6578	RD
198	Eluates	Determination of the content of DOC; infrared spectrophotometric analysis	AH548W AP04-E-XX and NEN-EN 1484	RD
199	Eluates	Determination of the content of Total Dissolved Solids (TDS); gravimetric analysis	AH561W AP04-E-XXI and NEN-EN 15216	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3010** (versie 23-04-2020) (NAW-0133-2); **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond standaardpakket) volledig pakket**

--	Soil	Sample pretreatment for AS3010	AH100W AS3000 and NEN-EN 16179	RD
200	Soil	Determination of pH-CaCl <sub>2</sub> ; potentiometric analysis	AH536W performance sheet 3010-1 and NEN-ISO 10390	RD
201	Soil	Determination of the content of dry matter; gravimetric analysis	AH101W performance sheet 3010-2 and NEN-EN 15934	RD
202	Soil	Determination of the content of organic matter; gravimetric analysis	AH101W performance sheet 3010-3 and NEN 5754	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
203	Soil	Determination of the clay content; pipette method	AH307W performance sheet 3010-4	RD
206	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH416W, AH202W performance sheet 3010-6	RD
207	Soil	Determination of the content of mineral oil; GC-FID	AH413W, AH202W performance sheet 3010-7 and NEN-EN-ISO 16703	RD
208	Soil	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180 and the sum of these 7 PCB	AH416W, AH202W performance sheet 3010-8	RD
330	Soil	Determination of the content of elements; ICP-MS mercury, barium, cadmium, cobalt, copper, lead, molybdenum, nickel, zinc	AH1111W, AH301W performance sheet 3010-5 and NEN-EN-ISO 17294-2 (digestion-NEN 6961 and NEN-EN-ISO 54321)	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3020** (versie 23-04-2020) (NAW-0133-2) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend I) volledig pakket**

--	Soil	Sample pretreatment for AS3020	AH100W AS3000 and NEN-EN 16179	RD
209	Soil	Determination of the content of organochloro pesticides (OCP); GC-MS hexachlorobenzene, $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), aldrin, dieldrin, endrin, the sum of these three "drin's", o,p'-DDD, p,p'-DDD, the sum of these two DDD's, p,p'-DDE, o,p'-DDE, the sum of these two DDE's, o,p'-DDT, p,p'-DDT, the sum of these two DDT's, heptachlorine, $\alpha$ -endosulfan, isodrin, telodrin, cis-heptachloroepoxide, trans-heptachloroepoxide, sum of these two heptachloroepoxides, cis-chlorodane, trans-chlorodane, the sum of these two chlorodanes, the sum of the above mentioned organochloro pesticides, hexachlorobutadiene	AH423W, AH202W performance sheet 3020-1	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
210	Soil	Determination of the content of tri- and tetrachlorobenzenes and penta- and hexachlorobenzene; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, the sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, the sum of 1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene, the sum of these three tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene and the sum of chlorobenzenes	AH423W, AH202W performance sheet 3020-2	RD
263	Soil	Determination of the content of other organochloro pesticides (OCP); GC-MS δ-HCH, endosulfansulfate	AH423W, AH202W performance sheet 3020-3	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3030** (versie 23-04-2020) (NAW-0133-2) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend II) volledig pakket**

--	Soil	Sample pretreatment for AS3030	AH100W AS3000 and NEN-EN 16179	RD
211	Soil	Determination of the content of volatile aromatic hydrocarbons and volatile halogenated hydrocarbons, MTBE and ETBE; GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, sum of m/p-xylene, sum of xylenes, styrene and naphthalene, the sum of the volatile aromatic hydrocarbons. volatile hydrocarbons: monochloroethene, dichloromethane, trichloromethane, tetrachloromethane, trichloroethene, tetrachloroethene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, sum of these two dichloroethenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane, the sum of these three dichloropropanes, tribromomethane other volatile components: methyl(tert)butylether (MTBE), ethyl(tert)butylether (ETBE)	AH426W, AH202W performance sheet 3030-1 and NEN-EN-ISO 22155	RD
212	Soil	Determination of the content of monochlorobenzenes, dichlorobenzenes; GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the sum of these three dichlorobenzenes	AH426W, AH202W performance sheet 3030-2 and NEN-EN-ISO 22155	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
213	Soil	Determination of the content of (other) aromatic solvents; GC-MS 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-ethyltoluene, sum of 3-ethyltoluene and 4-ethyltoluene, isopropylbenzene, propylbenzene and the sum of the aromatic solvents	AH426W, AH202W performance sheet 3030-3 and NEN-EN-ISO 22155	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3040** (versie 23-04-2020) (NAW-0133-2) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend III) volledig pakket**

--	Soil	Sample pretreatment for AS3040	AH100W AS3000 and NEN-EN 16179	RD
214	Soil	Determination of the content of cyanides (free, total and complex); spectrophotometric analysis	AH530W performance sheet 3040-1 and NEN-EN-ISO 17380	RD
215	Soil	Determination of the content of chloride by discrete analyzer; spectrophotometric analysis	AH529W performance sheet 3040-2 (measurement NEN-ISO 15923-1)	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3050** (versie 23-04-2020) (NAW-0133-2) **Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend IV) volledig pakket**

--	Soil	Sample pretreatment for AS3050	AH100W AS3000 and NEN-EN 16179	RD
331	Soil	Determination of the content of elements; ICP-MS antimony, arsenic, chromium, tin, vanadium	AH1111W, AH301W performance sheet 3050-1 and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD
332	Soil	Determination of the content of (other) elements; ICP-MS beryllium, thallium, silver, tellurium	AH1111W, AH301W performance sheet 3050-2 and NEN-EN-ISO 17294-2 (digestion NEN 6961 and NEN-EN-ISO 54321)	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3070** (versie 23-04-2020) (NAW-0133-2) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend V) volledig pakket**

--	Soil	Sample pretreatment for AS3070	AH100W AS3000 en NEN-EN 16179 en NEN 5898:2015	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
219	Soil	Quantitative determination of asbestos; using stereo and polarized light microscopy chrysotile, crocidolite, amosite, anthophyllite fibers, actinolite fibers, tremolite fibers	AH600W, AH602W, AH603W performance sheet 3070-1 and NEN 5898:2015	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3080** (versie 23-04-2020) (NAW-0133-2) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend VII) volledig pakket**

--	Soil	Sample pretreatment for AS3080	AH100W AS3000 and NEN-EN 16179	RD
418	Soil	Determination of the content of per- and polyfluoroalkyl substances (PFAS); LC-MS/MS PFBA (perfluorobutanoic acid), PFPeA (perfluoropentanoic acid), PFHxA (perfluorohexanoic acid), PFHpA (perfluoroheptanoic acid), PFOA linear (perfluorooctanoic acid), PFOA branched (perfluorooctanoic acid), PFOA sum (0.7 factor), PFNA (perfluorononanoic acid), PFDA (perfluorodecanoic acid), PFUnDA (perfluoroundecanoic acid), PFDoDA (perfluorododecanoic acid), PFTrDA (perfluorotridecanoic acid), PFTeDA (perfluorotetradecanoic acid), PFHxDA (perfluorohexadecanoic acid), PFODA (perfluorooctadecanoic acid), PFBS (perfluorobutane sulfonic acid), PFPeS (perfluoropentane sulfonic acid), PFHxS (perfluorohexane sulfonic acid), PFHpS (perfluoroheptane sulfonic acid), PFOS linear (perfluorooctane sulfonic acid), PFOS branched (perfluorooctane sulfonic acid), PFOS sum (0.7 factor), PFDS (perfluorodecane sulfonic acid), 4:2 FTS (4:2 fluorotelomer sulfonic acid), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 8:2 FTS (8:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), MePFOSAA (N-methylperfluorooctane sulfonamidoacetic acid), EtPFOSAA (N-ethylperfluorooctane sulfonamidoacetic acid), PFOSA (perfluorooctanesulfonamide), MePFOSA (N-methylperfluorooctanesulfonamide), 8:2 DiPAP (8:2 polyfluoroalkyl phosphate diester)	AH2020W performance sheet 3080-1	RD
419	Soil	Determination of the content of other per- and polyfluoroalkyl substances (PFAS); LC-MS/MS HFPO-DA (2,3,3,3-tetrafluor-2 (hexafluoropropyleneoxide) dimer acid)	AH2020W performance sheet 3080-2	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3110</b> (versie 23-04-2020) (NAW-0133-3) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater standaardpakket) volledig pakket</b>				
220	Ground water	Determination of pH; potentiometric analysis	AH536W performance sheet 3110-1 and NEN-ISO 10523	RD
221	Ground water	Determination of conductivity; conductometric analysis	AH537W performance sheet 3110-2 and NEN-ISO 7888, EN 27888	RD
276	Ground water	Determination of the content of elements; ICP-MS barium, cadmium, cobalt, copper, lead, molybdenum, nickel, zinc	AH1126W, AH2010W performance sheet 3110-3 and NEN-EN-ISO 17294-2	RD
223	Ground water	Determination of the content of non-volatile mercury; cold vapour AFS	AH309W, AH2010W performance sheet 3110-3 and NEN-EN-ISO 17852	RD
224	Ground water	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH419W, AH203W performance sheet 3110-4	RD
225	Ground water	Determination of the content of mineral oil; GC-FID	AH414W, AH203W performance sheet 3110-5	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3120</b> (versie 23-04-2020) (NAW-0133-3) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend I); volledig pakket</b>				
226	Ground water	Determination of the content of polychlorobiphenyls (PCB) and organochloro insecticides (OCP); GC-MS PCB 28 (2,4,4' trichlorobiphenyl), PCB 52 (2,5 2,5' tetrachlorobiphenyl), PCB 101 (2,4,5 2',5' pentachlorobiphenyl) PCB 118 (2,4,5 3',4' pentachlorobiphenyl) PCB 138 (2,3,4 2',4',5' hexachlorobiphenyl) PCB 153 (2,4,5 2',4',5' hexachlorobiphenyl) PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl), sum of these seven PCB, $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), $\delta$ -hexachlorocyclohexane ( $\delta$ -HCH), sum of these four HCH's, aldrin, dieldrin, endrin, sum of these three "drin's", p,p'-DDE, o,p'-DDD, o,p'-DDT, p,p'-DDD, o,p'-DDE, p,p'-DDT, sum of these six DD's, heptachlor, $\alpha$ -endosulfan, cis-heptachloroepoxide, trans-heptachloroepoxide, the sum of these two heptachloroepoxides, cis-chlorodane, trans-chlorodane and the sum of these two chlorodanes	AH1010W performance sheet 3120-1	RD
227	Ground water	Determination of the content of tri- and tetrachlorobenzenes and penta- and hexachlorobenzene; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, the sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, the sum of 1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene, the sum of these three tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene	AH1010W performance sheet 3120-2	RD



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**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3130** (versie 23-04-2020) (NAW-0133-3) (**Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend II); volledig pakket**

228	Ground water	Determination of the content of volatile aromatic hydrocarbons and volatile halogenated hydrocarbons, MTBE and ETBE; GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, sum of m/p-xylene, sum of xylenes, styrene, naphthalene, volatile halogenated hydrocarbons: monochloroethene (vinyl chloride), dichloromethane, trichloromethane, tetrachloromethane, trichloroethene, tertachloroethene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, sum of these two 1,2-dichloroethenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane, the sum of these dichloropropanes, tribromomethane other volatile coponents: methyl(tert)butylether (MTBE), ethyl(tert)butylether (ETBE)	AH426W, AH203W performance sheet 3130-1, NEN-EN-ISO 20595, NF-ISO 20595, ISO 20595 and EN-ISO 20595	RD
229	Ground water	Determination of the content of volatile monochlorobenzene, dichlorobenzenes; GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and the sum of these three dichlorobenzenes	AH426W, AH203W performance sheet 3130-2 and ISO 10301, NEN-EN-ISO 20595, NF-ISO 20595, ISO 20595 and EN-ISO 20595	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3140** (versie 23-04-2020) (NAW-0133-3) (**Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend III); volledig pakket**

230	Ground water	Determination of the content of cyanides (free, total and complex); spectrophotometric analysis	AH530W performance sheet 3140-1 and NEN-EN-ISO 14403-2	RD
231	Ground water	Determination of the content of anions by discrete analyzer; spectrophotometric analysis chloride, nitrate, ortho-phosphate, sulphate	AH529W performance sheet 3140-2 and NEN-ISO 15923-1	RD
277	Ground water	Determination of the content of anions; ion chromatographic analysis chloride, nitrate, sulphate	AH1125W performance sheet 3140-2 and NEN-EN-ISO 10304-1	RD

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<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3150</b> (versie 23-04-2020) (NAW-0133-3) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend IV); volledig pakket</b>				
234	Ground water	Determination of the content of (other) elements; ICP-MS thallium, beryllium, telluur, silver	AH1126W, AH2010W performance sheet 3150-2 and NEN-EN-ISO 17294-2	RD
291	Ground water	Determination of the content of (other) elements; ICP-MS; antimony, arsenic, chromium, tin, vanadium	AH1126W, AH2010W performance sheet 3150-1 and NEN-EN-ISO 17294-2	RD
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3210</b> (versie 23-04-2020) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem standaard pakket) volledig pakket</b>				
--	Sediments	Sample pretreatment for AS3210	AH100W AS3000 and NEN 5719	RD
235	Sediments	Determination of the content of dry matter; gravimetric analysis	AH101W performance sheet 3210-1 and NEN-EN 15934	RD
236	Sediments	Determination of organic matter; gravimetric analysis	AH101W performance sheet 3210-2 and NEN 5754	RD
237	Sediments	Determination of lutum; pipette method	AH318W performance sheet 3210-3	RD
386	Sediments	Determination of the content of elements: ICP-MS barium, cadmium, cobalt, copper, mercury, lead, molybdenum, nickel, zinc	AH301W, AH1111W performance sheet 3210-4 and NEN-EN-ISO 17294-2 (digestion NEN 6961)	RD
240	Sediments	Determination of the content of polycyclic aromatic hydrocarbons (PAH); GC-MS naphthalene, phenanthrene, anthracene, fluoranthene, benzo(a)anthracene, chrysene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene and the sum of these 10 PAH	AH416W, AH202W performance sheet 3210-5	RD
241	Sediments	Determination of the content of mineral oil; GC-FID	AH413W, AH202W performance sheet 3210-6 and NEN-EN-ISO 16703	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
242	Sediments	Determination of the content of polychlorobiphenyls (PCB); GC-MS PCB 28 (2,4,4' trichloorbifenyl), PCB 52 (2,5 2,5' tetrachloorbifenyl), PCB 101 (2,4,5 2',5' pentachloorbifenyl), PCB 118 (2,4,5 3',4' pentachloorbifenyl), PCB 138 (2,3,4 2',4',5' hexachloorbifenyl), PCB 153 (2,4,5 2',4',5' hexachloorbifenyl), PCB 180 (2,3,4,5 2',4',5' heptachloorbifenyl) and the sum of these 7 PCB	AH416W, AH202W performance sheet 3210-7	RD
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3230</b> (versie 23-04-2020) (NAW-0133-4) ( <b>Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend II) volledig pakket</b>				
--	Sediments	Sample pretreatment for AS3220	AH100W AS3000 and NEN 5719	RD
243	Sediments	Determination of the content of organochloro pesticides (OCP); GC-MS hexachlorobutadiene, pentachlorobenzene, hexachlorobenzene, chlorobenzenes (sum), $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), the sum of these three HCH's, aldrin, dieldrin, endrin, the sum of these three drins, isodrin, telodrin, o,p'-DDD, p,p'-DDD, the sum of these two DDD's, p,p'-DDE, o,p'-DDE, the sum of these two DDE's, o,p'-DDT, p,p'-DDT, the sum of these two DDT's, the sum of these six DD's, heptachlorine, $\alpha$ -endosulfan, cis-heptachloroepoxide, trans-heptachloroepoxide, the sum of these two heptachloroepoxides, cis-chlorodane, trans-chlorodane and the sum of cis- and trans-chlorodane	AH423W, AH202W performance sheet 3220-1	RD
244	Sediments	Determination of the content of other organochloro pesticides (OCP); GC-MS $\delta$ -HCH, HCH-compounds (sum), endosulfansulphate	AH423W, AH202W performance sheet 3220-2	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3230</b> (versie 23-04-2020) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend II) volledig pakket</b>				
--	Sediments	Sample pretreatment for AS3230	AH100W AS3000 and NEN 5719	RD
245	Sediments	Determination of the content of monochlorobenzenes, dichlorobenzenes; GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the sum of these three dichlorobenzenes	AH426W, AH202W performance sheet 3230-1	RD
246	Sediments	Determination of the content of tri- and tetrachlorobenzenes; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, the sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, the sum of 1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene, the sum of these three tetrachlorobenzenes and chlorobenzenes (sum)	AH423W, AH202W performance sheet 3230-2	RD
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3240</b> (versie 23-04-2020) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend III) volledig pakket</b>				
--	Sediments	Sample pretreatment for AS3240	AH100W AS3000 and NEN 5719	RD
247	Sediments	Determination of the content of cyanides (free, total and complex); spectrophotometric analysis	AH530W performance sheet 3240-1 and NEN-EN-ISO 17380	RD
248	Sediments	Determination of the content of chloride by discrete analyzer; spectrophotometric analysis	AH529W performance sheet 3240-2 (measurement NEN-ISO 15923-1)	RD
249	Sediments	Determination of pH-H <sub>2</sub> O; potentiometric analysis	AH536W performance sheet 3240-3 and NEN-ISO 10390	RD
<b>AS SIKB 3000</b> (versie 23-04-2020) (NAW-0133); <b>protocol 3250</b> (versie 23-04-2020) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend IV) volledig pakket</b>				
--	Sediments	Sample pretreatment for AS3250	AH100W AS3000 and NEN 5719	RD

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
387	Sediments	Determination of the content of elements: ICP-MS antimony, chromium, arsenic, tin, vanadium	AH301W, AH1111W performance sheet 3250-1 and NEN-EN-ISO 17294-2 (digestion NEN 6961)	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3260** (versie 23-04-2020) (NAW-0133-4) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend V) volledig pakket**

--	Sediments	Sample pretreatment for AS3260	AH100W AS3000 and NEN 5719	RD
251	Sediments	The determination of the content of pentachlorophenol; GC-MS	AH1030W performance sheet 3260-1 and ISO/TS 17182	RD
252	Sediments	The determination of the content of organotin compounds; GC-MS tributyltin compounds (TBT), trifenylytin compounds (TFT) and the sum of these organotin compounds	AH1066W performance sheet 3260-2 and NEN-EN-ISO 23161, NF EN ISO 23161	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 3270** (versie 23-04-2020) (NAW-0133-4) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend VI) volledig pakket**

--	Sediments	Sample pretreatment for AS3270	AH100W AS3000 and NEN 5719 and NEN 5898:2015	RD
253	Sediments	Quantitative determination of asbestos; using stereo and polarized light microscopy chrysotile, crocidolite, amosite, anthophyllite fibers, actinolite fibers, tremolite fibers	AH600W, AH602W, AH603W performance sheet 3070-1 and NEN 5898:2015	RD

**AS SIKB 3000** (versie 23-04-2020) (NAW-0133); **protocol 30803280** (versie 23-04-2020) (NAW-0133-24) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend VIII) volledig pakket**

--	Sediments	Sample pretreatment for AS3280	AH100W AS3000 and NEN 5719	RD
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
420	Sediments	Determination of the content of per- and polyfluoroalkyl substances (PFAS); LC-MS/MS PFBA (perfluorobutanoic acid), PFPeA (perfluoropentanoic acid), PFHxA (perfluorohexanoic acid), PFHpA (perfluoroheptanoic acid), PFOA linear (perfluorooctanoic acid), PFOA branched (perfluorooctanoic acid), PFOA sum (0.7 factor), PFNA (perfluorononanoic acid), PFDA (perfluorodecanoic acid), PFUnDA (perfluoroundecanoic acid), PFDoDA (perfluorododecanoic acid), PFTrDA (perfluorotridecanoic acid), PFTeDA (perfluorotetradecanoic acid), PFHxDA (perfluorohexadecanoic acid), PFODA (perfluorooctadecanoic acid), PFBS (perfluorobutane sulfonic acid), PFPeS (perfluoropentane sulfonic acid), PFHxS (perfluorohexane sulfonic acid), PFHpS (perfluoroheptane sulfonic acid), PFOS linear (perfluorooctane sulfonic acid), PFOS branched (perfluorooctane sulfonic acid), PFOS sum (0.7 factor), PFDS (perfluorodecane sulfonic acid), 4:2 FTS (4:2 fluorotelomer sulfonic acid), 6:2 FTS (6:2 fluorotelomer sulfonic acid), 8:2 FTS (8:2 fluorotelomer sulfonic acid), 10:2 FTS (10:2 fluorotelomer sulfonic acid), MePFOSAA (N-methylperfluorooctane sulfonamidoacetic acid), EtPFOSAA (N-ethylperfluorooctane sulfonamidoacetic acid), PFOSA (perfluorooctanesulfonamide), MePFOSA (N-methylperfluorooctanesulfonamide), 8:2 DiPAP (8:2 polyfluoroalkyl phosphate diester)	AH2020W performance sheet 3280-1	RD
421	Sediments	Determination of the content of other per- and polyfluoroalkyl substances (PFAS); LC-MS/MS HFPO-DA (hexafluoropropyleneoxide) dimer acid	AH2020W performance sheet 3280-2	RD

Last issued scope number: 422 (T48)