

Annex to declaration of accreditation (scope of accreditation)  
Normative document: EN ISO/IEC 17025:2005  
Registration number: **L 010**

of **Eurofins Analytico B.V.**

This annex is valid from: **03-04-2019** to **30-11-2020**

Replaces annex dated: **16-01-2019**

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

**Head Office**

Gildeweg 44-46  
3771 NB  
Barneveld  
The Netherlands

Location	Abbreviation/ location code
Gildeweg 44-46 3771 NB Barneveld The Netherlands	B
Zandbergsestraat 1 4569 TC Graauw The Netherlands	G

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Sampling</b>				
a.	Wastewater	Wastewater sampling	W0602 in accordance with NEN 6600-1	G
b.	Surface water	Surface water sampling	W0603 in accordance with NEN 6600-2	G

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

J.A.W.M. de Haas  
Director of Operations

<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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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Monsterneming voor partijkeuringen grond en baggerspecie AS SIKB 1000</b> (versie 04- 03-2010) (NAW-0134); <b>betrekking hebbende op protocol 1001</b> (NAW-0134-1) (heeft betrekking op de heren T.U. Heijens en D.L.C. de Poorter)				
c.	Soil	Sampling of soil from static batches	W0651 in accordance with NVN 7302	G
<b>Veldwerk bij milieuhygiënisch bodem en waterbodemonderzoek AS SIKB 2000</b> (versie 07-02-2014) (NAW-0135); <b>betrekking hebbend op protocol 2001</b> (NAW-0135-1) (heeft betrekking op de heren T.U. Heijens en D.L.C. de Poorter)				
d.	Soil and groundwater	Manual drilling and installation of groundwater monitoring pipes for taking soil and groundwater samples for inorganic and organic analysis	W0652, W0661, W0662 and W0621 in accordance with NEN 5706, NPR 5741, NEN 5742, NEN 5743 and NEN 5766	G
<b>Veldwerk bij milieuhygiënisch bodem en waterbodemonderzoek AS SIKB 2000</b> (versie 07-02-2014) (NAW-0135); <b>betrekking hebbend op protocol 2002</b> (NAW-0135-2) (heeft betrekking op de heren M.P.T. van Damme, T.U. Heijens, D.L.C. de Poorter en E.T. Doedeé)				
e.	Groundwater	Sampling of groundwater samples for inorganic and organic analyses	W0604, W0622, W0623 and W0624 in accordance with NEN 5744 (2011)	G
<b>Veldwerk bij milieuhygiënisch bodem en waterbodemonderzoek AS SIKB 2000</b> (versie 07-02-2014) (NAW-0135); <b>betrekking hebbend op protocol 2003</b> (NAW-0135-2) (heeft betrekking op de heren T.U. Heijens, D.L.C. de Poorter en E.T. Doedeé)				
f.	Sediment	Sampling of sediment for inorganic and organic analysis	W0652, W0653, W0661 and W0662 in accordance with NEN 5706, NPR 5741, NEN 5742 and NEN 5743	G
<b>Field measurements</b>				
1.	Water and sludge	Temperature determination; thermometry	W0612 in accordance with NEN 6414	G
2.	Water	Determination of the dissolved oxygen content; electrochemistry	W0614 in accordance with NEN-EN-ISO 5814	G
3.	Water	Determination of pH; potentiometry	W0611 in accordance with NEN-EN-ISO 10523	G
4.	Water	Determination of the electrical conductivity (EC); conductometry	W0613 in accordance with NEN-ISO 7888	G
5.	Water	Determination of the water transparency; Secchi disk	W0615 in accordance with NEN 6606	G

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Inorganic analysis (physical-chemical)</b>				
6.	Soil and sediment	Determination of dry matter content; gravimetry	W0104 in accordance with NEN-EN 15934	B
7.	Sludge	Determination of dry matter content; gravimetry	W0104 equivalent to NEN-EN 12880	B
8.	Wastewater and eluates	Determination of the total residue on evaporation after drying; gravimetry	W0113 in accordance with NEN 6499, in accordance with NEN-EN 15216 and in accordance with NEN-EN 15934	B
9.	Soil and sediment	Determination of clay content and the particle size distribution; sieve and pipette	W0105 and W0173 in accordance with NEN 5753	B
10.	Soil and sediment	Determination of the particle size distribution; laser diffraction	W0174 in accordance with ISO 13320-1 (pre-treatment in accordance with ISO 11277)	B
11.	Soil and sediment	Determination of organic matter content; loss-on-ignition method	W0109 in accordance with NEN 5754	B
12.	Wastewater	Determination of residue on ignition; loss-on-ignition method	W0113 in accordance with NEN 6499 and NEN-EN 15169	B
13.	Soil, sludge and sediment	Determination of residue on ignition; loss-on-ignition method	W0109 in accordance with NEN-EN 15935 and in accordance with NEN 6499	B
14.	Soil	Determination of the content of carbonates, expressed as calcium carbonate (calcite); volumetry	W0177 equivalent to NEN-EN-ISO 10693	B
15.	Soil	Determination of clay content; sieve and pipette	W0171 equivalent to NEN 5753	B
16.	Drinking water and surface water	Determination of the content of suspended solids and the residue on ignition; gravimetry	W0552 in accordance with NEN 6499 and in accordance with NEN 6484	B
17.	Wastewater and (filterable) sludge	Determination of the content of suspended solids and the residue on ignition; gravimetry	W0552 in accordance with NEN 6499 and equivalent to NEN 6621	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
18.	Wastewater, drinking water, groundwater and surface water	Determination of the content of suspended solids; gravimetry	W0552 in accordance with NEN 6499 and in accordance with NEN-EN 872	B
19.	Wastewater	Determination of the fat content; gravimetry	W0555 in house method	B
20.	Wastewater and mixtures of sludge/water	Determination of the amount of settleable solids	W0558 in accordance with NEN 6623	B

**Inorganic analysis (classical chemical)**

21.	Wastewater, drinking water, groundwater, water from boiler plants, surface water and seawater	Determination of electrical conductivity; conductometry	W0506 in accordance with NEN-ISO 7888	B
22.	Soil and sediment	Determination of electrical conductivity; conductometry	W0506 in accordance with NEN 5749	B
23.	Wastewater, drinking water, groundwater, water from boiler plants, surface water and seawater	Determination of pH; potentiometry	W0524 in accordance with NEN-EN-ISO 10523	B
24.	(Sewage) sludge	Determination of pH; potentiometry	W0524 in accordance with NEN-EN 12176	B
25.	Soil and sediment	Determination of pH-CaCl <sub>2</sub> , pH-KCl and pH-H <sub>2</sub> O; potentiometry	W0524 in accordance with NEN-ISO 10390	B
26.	Wastewater, drinking water and groundwater	Determination of the content of fluoride; potentiometry	W0546 in accordance with NEN 6578	B
27.	Wastewater, groundwater and surface water	Determination of biochemical oxygen demand	W0556 in accordance with NEN-EN 1899-1 and NEN-ISO 17289	B

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28.	Eluates and groundwater	Determination of dissolved organic carbon (DOC); oxidation followed by the determination of the content of CO <sub>2</sub>	W0590 in accordance with NEN-EN 16192 (NEN-EN 1484)	B
29.	Soil	Determination of the content of total organic carbon (TOC); infrared detection	W0594 in accordance with NEN-EN 10694	B
30.	Wastewater, drinking water, groundwater, water from boiler plants, surface water, seawater and (sewage) sludge	Determination of chemical oxygen demand; titrimetry	W0553 in accordance with NEN 6633	B
31.	Water from boiler plants	Determination of the alkalinity (the P- and M-number); titrimetry	W0545 in accordance with NEN-EN-ISO 9963-1	B
32.	Wastewater and groundwater	Determination of the total alkalinity (M-number); titrimetry	W0545 in accordance with NEN-EN-ISO 9963-1	B
33.	Wastewater, drinking water and surface water	Determination of Kjeldahl nitrogen; spectrophotometry	W0554 in house method (mineralization in accordance with NEN-ISO 5663 and analysis in accordance with NEN-ISO 15923-1)	B
34.	Soil and sediment	Determination of Kjeldahl nitrogen; continuous flow analysis and spectrometry	W0525 in house method	B
35.	Soil and sediment	Determination of total phosphate; continuous flow analysis and spectrometry	W0526 in house method	B
36.	Groundwater and wastewater	Determination of chemical oxygen demand; small-scale sealed-tube method, spectrophotometry	W0562 in accordance with NEN-ISO 15705	B
37.	Wastewater, groundwater and surface water	Determination of Kjeldahl nitrogen; continuous flow analysis and spectrophotometry	W0520 in accordance with NEN 6646 (mineralization in accordance with NEN-ISO 5663)	B
38.	Wastewater, drinking water and groundwater	Determination of the content of anionic surfactants; spectrometry	W0578 in accordance with WAC/III/D and ISO 7875-1	B

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39.	Wastewater, drinking water, groundwater and surface water	Determination of the content of total cyanide and free cyanide; continuous flow analysis and spectrometry	W0517 in accordance with NEN-EN-ISO 14403-2	B
40.	Soil	Determination of the content of total cyanide and free cyanide; continuous flow analysis and spectrometry	W0117 and W0517 in accordance with NEN-ISO 17380	B
41.	Wastewater, drinking water, groundwater and surface water	Determination of the content of dissolved sulphate; continuous flow analysis and spectrometry	W0521 in accordance with NEN-ISO 22743	B
42.	Wastewater, groundwater and surface water	Determination of phenol index; continuous flow analysis and spectrometry	W0544 in accordance with NEN-EN-ISO 14402	B
43.	Eluates	Determination of phenol index; continuous flow analysis and spectrometry	W0544 in accordance with NEN-EN 16192 and in accordance with NEN-EN-ISO 14402	B
44.	Wastewater, drinking water, groundwater, water from boiler plants and surface water	Determination of the content of ions; discrete analysis and spectrometry ammonium, chloride, nitrate, nitrite and ortho-phosphate	W0566 in accordance with NEN-ISO 15923-1	B
45.	Groundwater	Determination of the content of dissolved anions; liquid chromatography of ions chloride, bromide, sulphate, nitrite, nitrate and fluoride	W0504 in accordance with NEN-EN-ISO 10304-1	B
46.	Eluates	Determination of the content of dissolved anions; liquid chromatography of ions chloride, bromide, sulphate and fluoride	W0504 in accordance with NEN-EN-ISO 10304-1	B
47.	Groundwater and eluates	Determination of the content of chromium VI; liquid chromatography of ions	W0588 in house method (analysis in accordance with NEN-EN 15192)	B
48.	Soil	Determination of the content of chromium VI; liquid chromatography of ions	W0588 equivalent to NEN-EN 15192	B

**Inorganic analysis (element determinations)**

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49.	Groundwater	Determination of the content of mercury; atomic fluorescence spectrometry (AFS)	W0427 in house method	B
50.	Soil and waste materials	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) arsenic, cadmium, chromium, copper, lead, nickel and zinc	W2107 and W2423 in accordance with CMA/2/I/B.5 (digestion in accordance with CMA/2/II/A.3)	B
51.	Soil, sediment and destruates of soil- and stone-like building materials and (bio)waste materials	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) aluminium, antimony, arsenic, barium, cadmium, calcium, chromium, phosphor, potassium, cobalt, copper, mercury, lead, magnesium, manganese, molybdenum, sodium, nickel, selenium, tin, vanadium, iron and zinc	W0107, W0423 and W0426 in accordance with NEN-EN-ISO 17294-2 (digestion equivalent to NEN 6961 and NEN-EN 16174)	B
52.	Soil, sediment and destruates of soil- and stone-like building materials and (bio)waste materials	Determination of the content of in aqua regia soluble elements; inductively coupled plasma with mass spectrometry (ICP-MS) titanium and sulphur	W0107, W0423 and W0426 in house method (in house digestion-method, measurement in accordance with NEN-EN-ISO 17294-2)	B
53.	Soil	Determination of the content of chromium VI; inductively coupled plasma with mass spectrometry (ICP-MS)	W0588 and W0425 equivalent to NEN-EN 15192	B
54.	Wastewater and surface water	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) aluminium, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, phosphor, potassium, cobalt, copper, mercury, lead, magnesium, manganese, molybdenum, sodium, nickel, selenium, strontium, tellurium, thallium, tin, vanadium, iron, silver and zinc	W0108, W0425 and W0426 in accordance with NEN-EN-ISO 17294-2 digestion in accordance with NEN 6961 and NEN-EN-ISO 15587-1)	B
55.	Wastewater and surface water	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) cerium, titanium and sulphur	W0108, W0425 and W0426 in house method (in house digestion-method, measurement in accordance with NEN-EN-ISO 17294-2)	B

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56.	Groundwater, eluates and drinking water	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) aluminium, antimony, arsenic, beryllium, barium, cadmium, calcium, chromium, potassium, cobalt, copper, mercury, lead, magnesium, manganese, molybdenum, sodium, nickel, selenium, tin, titanium, vanadium, iron and zinc	W0421 and W0426 in accordance with NEN-EN-ISO 17294-2 (groundwater, eluates and drinking water) in accordance with CMA/2/I/B.5 (groundwater) and in accordance with WAC/III/B/011 (groundwater)	B
57.	Wastewater, drinking water, groundwater, water from boiler plants, surface water and seawater	Determination of the total hardness; inductively coupled plasma with mass spectrometry (ICP-MS)	W0108, W0421, W0425 and W0426 in house method	B

#### Organic analysis

58.	Soil and sediment	Determination of the halogen content originated from non-volatile with acetone and petroleum ether extractable organohalogen compounds (EOX); microcoulometry	W0120 and W0351 in house method	B
59.	Wastewater, drinking water, groundwater and surface water	Determination of the halogen content derived from non-volatile, with petroleum ether extractable organohalogen compounds (EOX); microcoulometry	W0130 and W0351 conform NEN 6402	B
60.	Wastewater and groundwater	Determination of the halogen content derived from volatile organohalogen compounds (VOX); microcoulometry	W0354 in house method (sample preservation in house method, analysis in accordance with NEN 6401)	B
61.	Soil and sediment	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0120 and W0202 equivalent to NEN-EN-ISO 16703	B
62.	Soil and sediment	Determination of the hydrocarbon oil index (fraction C <sub>10</sub> -C <sub>40</sub> ); gas chromatography with flame-ionisation detection	W2134 and W0202 equivalent to CWEA S-III-5	B
63.	Wastewater, drinking water, groundwater and surface water	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0123 and W0215 in accordance with NEN-EN-ISO 9377-2	B



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64.	Soil	Determination of the content of volatile hydrocarbons (fraction C <sub>5</sub> -C <sub>10</sub> ); static headspace – gas chromatography with mass spectrometry	W0136 and W0254 equivalent to draft NEN-EN-ISO 16558-1	B
65.	Wastewater, drinking water, groundwater and surface water	Determination of the content of volatile hydrocarbons (fraction C <sub>5</sub> -C <sub>10</sub> ); static headspace – gas chromatography with mass spectrometry	W0122 and W0254 equivalent to draft NEN-EN-ISO 16558-1	B
66.	Soil	Determination of the aromatic fraction, the aliphatic fraction and the content of total petroleum hydrocarbons (TPH); gas chromatography with flame-ionisation detection	W6161 and W6261 in house method	B
67.	Groundwater	Determination of the aromatic fraction, the aliphatic fraction and the content of total petroleum hydrocarbons (TPH); gas chromatography with flame-ionisation detection	W6162 and W6263 in house method	B
68.	Soil	Determination of the content of acetone; static headspace – gas chromatography with flame-ionisation detection	W0136 and W0217 in house method	B
69.	Wastewater, drinking water, groundwater and surface water	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry dichloromethane, trichloromethane, tetrachloromethane, bromochloromethane, bromodichloromethane, dibromochloromethane, dibromomethane, tribromomethane (bromoform), 1,1-dichloroethane, 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,2-dibromoethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, trichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,3-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4-dichlorobenzene	W0122 and W0254 in accordance with NEN-EN-ISO 10301 (preservation in accordance with NEN-EN-ISO 5667-3)	B
70.	Wastewater, drinking water, groundwater and surface water	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry benzene, toluene, ethylbenzene, xylenes, naphthalene and styrene	W0122 and W0254 in accordance with ISO 11423-1 (preservation in accordance with NEN-EN-ISO 5667-3)	B

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71.	Wastewater, drinking water, groundwater and surface water	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry propylbenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene (cumene), n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-ethyltoluene, 3-ethyltoluene, 4-ethyltoluene, 4-isopropyltoluene (p-cymene), chloromethane, trichlorofluoromethane, bromomethane, chloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, hexachloroethane, vinyl chloride, 1,1-dichloropropane, 2,2-dichloropropane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 3-chloropropene, 1,1-dichloro-1-propene, 1-chlorobutane, hexachlorobutadiene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, bromobenzene, 2-chlorotoluene, 4-chlorotoluene, pentane, hexane, heptane, octane, cyclohexane, carbon disulfide (CS <sub>2</sub> ), tetrahydrofurane, methylisobutylketone (MIBK), methyltertiarybutylether (MTBE), ethyltertiarybutylether (ETBE) and tertiaryamylmethylether (TAME)	W0122 and W0254 in house method	B
72.	Soil and sediment	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry benzene, toluene, ethylbenzene, xylenes, naphthalene, styrene, dichloromethane, trichloromethane, tetrachloromethane, 1,1-dichloroethane, 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, trichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,2,3-trichloropropane, 3-chloropropene, cis-1,3-dichloropropene, trans-1,3-dichloropropene, monochlorobenzene, 1,2-dichlorobenzene, methyltertiarybutylether (MTBE) and tertiaryamylmethylether (TAME)	W0136, W0254 in accordance with NEN-EN-ISO 22155 (extraction in accordance with NEN 6973)	B

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73.	Soil and sediment	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, propylbenzene, isopropylbenzene (cumene), n-butylbenzene, sec-butylbenzene, tert-butylbenzene, 2-ethyltoluene, 3-ethyltoluene, 4-ethyltoluene, 4-isopropyltoluene (p-cymene), chloromethane, bromochloromethane, bromodichloromethane, dibromochloromethane, trichlorofluoromethane, bromomethane, dibromomethane, tribromomethane (bromoform), chloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, hexachloroethane, 1,2-dibromoethane, vinylchloride, 1,1-dichloroethylene, 1,1-dichloropropane, 1,3-dichloropropane, 2,2-dichloropropane, 1,2-dibromo-3-chloropropane, 1,1-dichloro-1-propene, 1-chlorobutane, hexachlorobutadiene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, bromobenzene, 2-chlorotoluene, 4-chlorotoluene, pentane, hexane, heptane, octane, cyclohexane, carbon disulfide (CS <sub>2</sub> ), tetrahydrofuran, methylisobutylketone (MIBK), ethyltertiarbutylether (ETBE)	W0136, W0254 in house method	B
74.	Soil and sediment	Determination of the content of organochloropesticides and polychlorinated biphenyls; gas chromatography – mass spectrometry alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, epsilon-HCH, pentachlorobenzene, HCB, heptachlor, aldrin, telodrin, isodrin, heptachloroepoxide, hexachlorobutadiene, alpha-endosulphan, beta-endosulphan, alpha-chlordane, gamma-chlordane, o,p'-DDE, p,p'-DDE, o,p'-DDD, p,p'-DDD, dieldrin, endrin, o,p'-DDT, p,p'-DDT, endosulphansulphate, PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153 and PCB 180	W0120 and W0262 equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
75.	Wastewater, drinking water, groundwater and surface water	Determination of the content of organochloropesticides and polychlorinated biphenyls; large volume injection – gas chromatography – mass spectrometry alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, epsilon-HCH, pentachlorobenzene, HCB, heptachlor, aldrin, telodrin, isodrin, heptachloroepoxide, hexachlorobutadiene, alpha-endosulphan, beta-endosulphan, alpha-chlordane, gamma-chlordane, biphenyl, biphenylether, o,p'-DDE, p,p'-DDE, o,p'-DDD, p,p'-DDD, dieldrin, endrin, o,p'-DDT, p,p'-DDT, endosulphansulphate, PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153 and PCB 180	W0137 and W0260 in house method	B

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76.	Wastewater, groundwater and surface water	Determination of the content of polycyclic aromatic hydrocarbons; gas chromatography – mass spectrometry naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene and indeno(1,2,3-c,d)pyrene	W0137 and W0260 in house method	B
77.	Soil and sediment	Determination of the content of polycyclic aromatic hydrocarbons; gas chromatography – mass spectrometry naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene and indeno(1,2,3-c,d)pyrene	W0120 and W0271 equivalent to NEN-ISO 18287	B

#### Asphalt investigation

78.	Asphalt cores	Determination of the thickness and the structure of asphalt layers; geometry	W0179 in accordance with RAW 2015 test 77.1	B
79.	Asphalt cores	Detection of polycyclic aromatic hydrocarbons (PAH); PAH-detection	W0180 in accordance with RAW 2015 test 77.2	B
80.	Asphalt	Determination of the content of polycyclic aromatic hydrocarbons; gas chromatography – mass spectrometry 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 and the sum of these 10 PAH	W0120 and W0271 in house method	B

#### Leaching test

g.	Soil and waste materials	Determination of the leachable fraction by means of a one or two stage batch test (L/S 10 and L/S 2-8) for materials with particle size < 4 mm	W0155 in accordance with NEN-EN 16192 and in accordance with NEN-EN 12457-1 to 3	B
h.	Granular waste materials	Determination of the leachable fraction by means of a one stage batch test (L/S 10) for materials with particle size <10 mm	W0156 in accordance with NEN-EN 12457-4	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Tests forming part of TerrAttesT® Soil</b>				
81.	Soil	Determination of dry matter content; gravimetry	W0104 in house method	B
82.	Soil	Determination of clay content; pipette method	W0171 equivalent to NEN 5753	B
83.	Soil	Determination of loss on evaporation after ignition and the total residue on evaporation after ignition; gravimetry	W0109 in accordance with NEN 5754	B
84.	Soil	Determination of organic matter content as loss-on-ignition; gravimetry	W0109 in accordance with NEN 5754	B
85.	Soil	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) aluminium, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, phosphor, cobalt, copper, mercury, lead, magnesium, manganese, molybdenum, nickel, selenium, tin, titanium, vanadium, iron, silver, zinc and sulphur	W0107, W0423 and W0426 in accordance with NEN-EN-ISO 17294-2 (digestion equivalent to NEN 6961)	B
86.	Soil	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0120 and W0202 in house method e	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
87.	Soil	<p>Determination of organic contaminations;                      gas chromatography with mass spectrometry</p> <p><b>Aromatic compounds</b>                      Monoaromatic hydrocarbons: benzene, ethylbenzene, toluene, o-xylene, m,p-xylene, xylenes (sum), styrene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-propylbenzene, isopropylbenzene (cumene), n-butylbenzene, sec-butylbenzene, tert-butylbenzene and p-isopropyltoluene                      Phenols: phenol, o-cresol, m-cresol, p-cresol, cresols (sum), 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,4-dimethylphenol, o-ethylphenol, m-ethylphenol, thymol, 4-ethyl/2,3- and 3,5-dimethylphenol                      Polycyclic aromatic hydrocarbons: naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene, indeno(1,2,3-c,d)pyrene, PAH 10 VROM (sum) and PAH 16 EPA (sum)</p> <p><b>Halogenated compounds</b>                      Volatile halogenated components:                      tetrachloromethane, 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethanes (sum), 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethanes (sum), trichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,3-dichloropropane, 1,2,3-trichloropropane, 1,1-dichloropropene, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,3-dichloropropenes (sum), dibromomethane, 1,2-dibromoethane, tribromomethane (bromoform), bromodichloromethane, dibromochloromethane, 1,2-dibromo-3-chloropropane and bromobenzene                      Chlorobenzenes: monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichlorobenzenes (sum), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum), 1,2,3,4-tetrachlorobenzene, 1,2,3,5/1,2,4,5-tetrachlorobenzene, tetrachlorobenzene (sum), pentachlorobenzene and hexachlorobenzene</p>	W6128, W6330 and W6331 in house method	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
		<p>Chlorophenols: 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, monochlorophenols (sum), 2,3-dichlorophenol, 2,4/2,5-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, dichlorophenols (sum), 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, trichlorophenols (sum), 2,3,4,5-tetrachlorophenol, 2,3,4,6/2,3,5,6-tetrachlorophenol, tetrachlorophenols (sum), pentachlorophenol and 4-chloro-3-methylphenol</p> <p>Polychlorinated biphenyls: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180 and the sum of those 6 PCB, PCB 118 and the sum of those 7 PCB</p> <p>Chloronitrobenzenes: 2/4-chloronitrobenzene, 3-chloronitrobenzene, monochloronitrobenzenes (sum), 2,3-dichloronitrobenzene + 3,4-dichloronitrobenzene, 2,4-dichloronitrobenzene, 2,5-dichloronitrobenzene and 3,5-dichloronitrobenzene and dichloronitrobenzenes (sum)</p> <p>Miscellaneous chlorinated hydrocarbons: 2-chlorotoluene, 4-chlorotoluene, sum of those two chlorotoluenes and 1-chloronaphthalene</p> <p><b>Pesticides</b></p> <p>Organic chlorinated pesticides: p,p'-DDE, o,p'-DDE, p,p'-DDT, p,p'-DDD/o,p'-DDT, o,p'-DDD, DDT/DEE/DDD (sum), aldrin, dieldrin, endrin, drins (sum), alpha-HCH, beta-HCH, gamma-HCH, HCH (sum), alpha-endosulphansulphate, alpha-chlordane, gamma-chlordane and the sum of those two chlordanes, heptachlor, heptachloroepoxide, hexachlorobutadiene, isodrin, telodrin and tedion</p> <p>Organic phosphor pesticides: azinphos-ethyl, azinphos-methyl, bromophos-ethyl, bromophos-methyl, chloropyrophos-ethyl, chloropyrophos-methyl, cumaphos, demeton-S/demeton-O, diazinone, disulphotone, fenitrothion, fenthion, malathion, parathion-ethyl, parathion-methyl, pyrazophos and triazophos</p> <p>Organic nitrogen pesticides: ametryn, atrazine, cyanazin, desmetryn, prometryn, propazine, simazine, terbutylazine and terbutryn</p> <p>Miscellaneous pesticides: bifenthrine, cypermethrin A+B+C+D, deltamethrin, permethrin A + permethrin B, propachlor and trifluralin</p> <p><b>Miscellaneous organic contaminants</b></p> <p>biphenyl, nitrobenzene and dibenzofurane</p> <p>Phthalates: dimethylphthalate, diethylphthalate, di-isobutylphthalate, dibutylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate and di-n-octylphthalate</p>		

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Tests forming part of TerrAttesT® Water</b>				
88.	Drinking water and groundwater	Determination of the hydrocarbon oil index; – gas chromatography with flame-ionisation detection	W6139 and W0215 in house method	B
89.	Drinking water and groundwater	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, mercury, lead, molybdenum, nickel, selenium, tin, vanadium and zinc	W0421 and W0426 in accordance with NEN-EN-ISO 17294-2	B
90.	Drinking water and groundwater	Determination of electrical conductivity; conductometry	W0506 in accordance with NEN-ISO 7888	B
91.	Drinking water and groundwater	Determination of pH; potentiometry	W0524 in accordance with NEN-EN-ISO 10523	B
92.	Drinking water and groundwater	Determination of the content of volatile components; static headspace - gas chromatography with mass spectrometry Monoaromatic hydrocarbons benzene, ethylbenzene, toluene, o-xylene, m-xylene, p-xylene, xylenes (sum) and styrene	W0122 and W0254 in accordance with ISO 11423-1	B
93.	Drinking water and groundwater	Determination of the content of volatile components; static headspace - gas chromatography with mass spectrometry Halogenated hydrocarbons dichloromethane, trichloromethane (chloroform), tetrachloromethane, bromochloromethane, bromodichloromethane, dibromochloromethane, dibromomethane, tribromomethane (bromoform), 1,1-dichloroethane, 1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethanes (sum), 1,2-dibromoethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, trichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,3-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene and 1,3-dichloropropenes (sum)	W0122 and W0254 in accordance with NEN-EN-ISO 10301	B



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
94.	Drinking water and groundwater	<p>Determination of the content of volatile components; static headspace - gas chromatography with mass spectrometry</p> <p><b>Monoaromatic hydrocarbons</b>                      1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene (mesitylene), n-propylbenzene, isopropylbenzene (cumene), n-butylbenzene, sec-butylbenzene, tert-butylbenzene and p-isopropyltoluene (p-cymene)</p> <p><b>Halogenated hydrocarbons</b>                      chloromethane, trichlorofluoromethane, bromomethane, chloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, tetrachloroethanes (sum), vinyl chloride (chloroethene), 2,2-dichloropropane, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 1,1-dichloropropene, hexachlorobutadiene, bromobenzene, 2-chlorotoluene, 4-chlorotoluene and sum of those two chlorotoluenes</p> <p><b>Chlorobenzenes</b>                      chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichlorobenzenes (sum), 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene</p>	W0122 and W0254 in house method	B
95.	Groundwater	<p>Determination of organic contaminations; gas chromatography with mass spectrometry</p> <p><b>Aromatic compounds</b></p> <p>Phenols: phenol, o-cresol, m-cresol, p-cresol, cresols (sum), 2,4-dimethylphenol, 2,5-dimethylphenol, 3,4-dimethylphenol, 2-ethylphenol, 3-ethylphenol, 4-ethylphenol/2,3-dimethylphenol, 3,5-dimethylphenol, l                      2,6-dimethylphenol and thymol</p> <p>Polycyclic aromatic hydrocarbons: naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b+k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, indeno(1,2,3-c,d)pyrene, benzo(g,h,i)perylene, PAH 10 VROM (sum) and PAH 16 EPA (sum)</p>	W6136, W6330 and W6336 in house method	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
		<p><b>Halogenated compounds</b>                      Chlorobenzenes: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum), 1,2,3,4-tetrachlorobenzene, 1,2,3,5/1,2,4,5-tetrachlorobenzene, tetrachlorobenzenes (sum), pentachlorobenzene and hexachlorobenzene                      Chlorophenols: 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, monochlorophenols (sum), 2,3-dichlorophenol, 2,4/2,5-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, dichlorophenols (sum), 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, trichlorophenols (sum), 2,3,4,5-tetrachlorophenol, 2,3,4,6/2,3,5,6-tetrachlorophenol, tetrachlorophenols (sum), pentachlorophenol and 4-chloro-3-methylphenol                      Polychlorinated biphenyls: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180 and the sum of those 6 PCB, PCB 118 and the sum of those 7 PCB                      Chloronitrobenzenes: 2/4-chloronitrobenzene, 3-chloronitrobenzene, monochloronitrobenzenes (sum), 2,3-dichloronitrobenzene, 2,4-dichloronitrobenzene, 2,5-dichloronitrobenzene, 3,4-dichloronitrobenzene and 3,5-dichloronitrobenzene and dichloronitrobenzenes (sum)                      Miscellaneous halogenated hydrocarbons: 1-chloronaphthalene</p> <p><b>Pesticides</b>                      Organic chlorinated pesticides: p,p'-DDE, o,p'-DDE, p,p'-DDT, p,p'-DDD/o,p'-DDT, o,p'-DDD, DDT/DDE/DDD (sum), aldrin, dieldrin, endrin, drins (sum), alpha-HCH, beta-HCH, gamma-HCH, delta-HCH, HCH (sum), alpha-endosulphan, alpha-endosulphansulphate, alpha-chlorodane, gamma-chlorodane and the sum of those two chlorodans, heptachlor, heptachloroepoxide, hexachlorobutadiene, isodrin, telodrin and tedion                      Organic phosphor pesticides: azinphos-ethyl, azinphos-methyl, bromophos-ethyl, bromophos-methyl, chloropyriphos-ethyl, chloropyriphos-methyl, cumaphos, demeton-S/demeton-O, diazinone, dichlorophos, disulphotone, fenitrothion, fenthion, malathion, parathion-ethyl, parathion-methyl, pyrazophos and triazophos                      Organic nitrogen pesticides: ametryn, atrazine, cyanazin, desmetryn, prometryn, propazine, simazine, terbutylazine and terbutryn                      Miscellaneous pesticides: bifenthrine, carbaryl, cypermethrin A+B+C+D, deltamethrin, linuron, permethrin A+B, propachlor and trifluralin</p> <p><b>Miscellaneous organic contaminants</b>                      biphenyl, nitrobenzene and dibenzofurane</p>		

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<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SG1 (samenstelling grond)</b> (versie 23-06-2016) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pre-treatment for AP04-SG1	W7101 in accordance with AP04-V	B
96.	Soil	Determination of pH-CaCl <sub>2</sub> ; potentiometry	W0524 in accordance with AP04-SG-I	
97.	Soil	Determination of dry matter content; gravimetry	W7104 in accordance with AP04-SG-II and in accordance with NEN-EN 15934	B
98.	Soil	Determination of clay content; sieve and pipette	W7173 in accordance with AP04-SG-III and in accordance with NEN 5753	B
99.	Soil	Determination of organic matter content as loss-on-ignition; gravimetry	W7109 in accordance with AP04-SG-IV and in accordance with NEN 5754	B
100.	Soil	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, barium, cadmium, chromium, cobalt, copper, mercury (non volatile), lead, molybdenum, nickel, tin, vanadium and zinc	W0107, W0423 and W0426 in accordance with AP04-SG-V and in accordance with NEN-EN-ISO 17294-2 (digestion equivalent to NEN 6961)	B
101.	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); gas chromatography with mass spectrometry 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 and the sum of these 10 PAH	W7124 and W0271 in accordance with AP04-SG-IX and equivalent to NEN-ISO 18287)	B
102.	Soil	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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	W7124 and W0262 in accordance with AP04-SG-X	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
103.	Soil	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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	W7124 and W0271 in accordance with AP04-SG-X	B
104.	Soil	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W7124 and W0202 in accordance with AP04-SG-XI and equivalent to NEN-EN-ISO 16703	B

**AP04-verrichtingen** (versie 23-06-2016) (NAW-0132)), **pakket SG2 (samenstelling grond)** (versie 23-06-2016) (NAW-0132-3)  
**volledig pakket**

--	Soil	Sample pre-treatment for AP04-SG2	W7101 in accordance with AP04-V	B
105.	Soil	Determination of the content of organochloropesticides (OCP); gas chromatography with mass spectrometry 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 o,p'-DDE, p,p'-DDE, sum of these two DDE's, o,p'-DDT, p,p'-DDT, sum of these two DDT's, isodrin, telodrin, hexachlorobutadiene, heptachlor, $\alpha$ -endosulfan, cis-heptachlor epoxide, trans-heptachlor epoxide, sum of these two heptachlor epoxide, cis-chlorodane, trans-chlorodane and the sum of these two chlorodanes, endosulphansulphate and the sum of organochloropesticides	W7214 and W0262 in accordance with AP04-SG-XIV	B
106.	Soil	Determination of the content of less volatile chlorobenzenes; gas chromatography with mass spectrometry 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, sum of these three tetrachlorobenzenes, pentachlorobenzene and hexachlorobenzene, sum of chlorobenzenes (see also package AP04-SG3)	W7124 and W0262 in accordance with AP04-SG-XV	B

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<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SG3 (samenstelling grond)</b> (versie 23-06-2016) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pre-treatment for AP04-SG3	W7101 in accordance with AP04-V	B
107.	Soil	Determination of the content of volatile aromatic and volatile halogenated hydrocarbons MTBE and ETBE; static headspace – gas chromatography with mass spectrometry volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, sum of these three xylenes, styrene and the sum of aromatic hydrocarbons volatile halogenated hydrocarbons: chloroethylene (vinyl chloride), dichloromethane, trichloromethane, tetrachloromethane, trichloroethylene, tetrachloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, sum of these two dichloroethanes, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, sum of these three dichloroethylenes, 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 compounds: methyltertiarybutylether (MTBE), ethyltertiarybutylether (ETBE)	W0136, W0254 in accordance with AP04-SG-VIII and in accordance with NEN-EN-ISO 22155	B
108.	Soil	Determination of the content of volatile chlorobenzenes; static headspace – gas chromatography with mass spectrometry monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of these three dichlorobenzenes	W0136, W0254 in accordance with AP04-SG-XV	B
<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SG4 (samenstelling grond)</b> (versie 23-06-2016) (NAW-0132-3) <b>volledig pakket</b>				
--	Soil	Sample pre-treatment for AP04-SG4	W7101 in accordance with AP04-V	B
109.	Soil	Determination of the content of cyanides (total-free and total-complex); continuous flow analysis and spectrometry	W0517 in accordance with AP04-SG-VII and in accordance with NEN-ISO 17380	B
110.	Soil	Determination of the content of chloride; ion chromatography	W0504 in accordance with AP04-SG-XII	B

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<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SG8 (samenstelling grond)</b> (versie 23-06-2016) (NAW-0132-3) <b>volledig pakket</b>				

111.	Soil	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) beryllium, selenium, tellurium and thallium	W0107, W0423 and W0426 in accordance with AP04-SG-V and in accordance with NEN-EN-ISO 17294-2 (digestion equivalent to NEN 6961)	B
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<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SB1 (samenstelling bouwstoffen, niet zijnde grond)</b> (versie 23-06-2016) (NAW-0132-2) <b>volledig pakket</b>				
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--	Building material	Sample pre-treatment for AP04-SB1	W7101 in accordance with AP04-V	B
112.	Field-moist and air-dried building material	Determination of the dry matter content; gravimetry	W7104 in accordance with AP04-SB-I	B
113.	Building material (except bitumen)	Determination of the content of polycyclic aromatic hydrocarbons (PAH); gas chromatography with mass spectrometry 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 and the sum of these 10 PAH	W7124 and W0271 in accordance with AP04-SB-III and equivalent to NEN-ISO 18287)	B
114.	Building material	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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	W7124 and W0271 in accordance with AP04-SB-IV	B
115.	Building material	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W7124 and W0202 in accordance with AP04-SB-V and equivalent to NEN-EN-ISO 16703	B

<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket SB3 (samenstelling bouwstoffen, niet zijnde grond)</b> (versie 23-06-2016) (NAW-0132-2) <b>volledig pakket</b>				
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--	Building material	Sample pre-treatment for AP04-SB3	W7101 in accordance with AP04-V	B
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
116.	Building material	Determination of the content of volatile aromatic hydrocarbons (BTEX); static headspace – gas chromatography with mass spectrometry benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, sum of these three xylenes and styrene	W0136, W0254 in accordance with AP04-SB-II	B

**AP04-verrichtingen** (versie 23-06-2016) (NAW-0132), **pakket SB6 (samenstelling bouwstoffen, niet zijnde grond)** (versie 23-06-2016) (NAW-0132-2)

**volledig pakket**

--	Building material	Sample pre-treatment for AP04-SB6	W7101 in accordance with AP04-V	B
117.	Building material	Determination of the content of phenol; gas chromatography with mass spectrometry	W0139 and W0267 in accordance with AP04-SB-XIII	B

**AP04-verrichtingen** (versie 23-06-2016) (NAW-0132), **pakket U1 (uitloogonderzoek; grond, niet-vormgegeven en vormgegeven bouwstoffen; niet diffusiebepaalde uitloging)** (versie 23-06-2016) (NAW-0132-4)

**volledig pakket**

--	Soil and building materials	Sample pre-treatment for AP04-U1 (and AP04-E)	W7101 in accordance with AP04-V	B
i.	Soil and building materials	Determination of the leaching of inorganic components with the column test  Associated analyses of eluates are mentioned below in package E "AP04-tests, analysis of eluates"	W0152 in accordance with AP04-U-I and in accordance with NEN 7383 and NEN 7373	B

**AP04-verrichtingen** (versie 23-06-2016) (NAW-0132), **pakket U2 (uitloogonderzoek; vormgegeven bouwstoffen; diffusiebepaalde uitloging)** (versie 23-06-2016) (NAW-0132-4)

**volledig pakket**

--	Building materials and monolites	Sample pre-treatment for AP04-U2 (and AP04-E)	W7101 in accordance with AP04-V	B
j.	Building materials and monolites	Determination of the leaching of inorganic components with the diffusion test  Associated analyses of eluates are mentioned below in package E "AP04-tests, analysis of eluates"	W0153 in accordance with AP04-U-II and in accordance with NEN 7375	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket U3 (uitloogonderzoek; vormgegeven bouwstoffen; diffusiebepaalde uitloging)</b> (versie 23-06-2016) (NAW-0132-4) <b>volledig pakket</b>				
--	Building materials and waste materials	Sample pre-treatment for AP04-U3 (and AP04-E)	W7101 in accordance with AP04-V	B
k.	Building materials and waste materials	Determination of the availability of inorganic components for leaching  Associated analyses of eluates are mentioned below in package E "AP04-tests, analysis of eluates"	W0151 in accordance with AP04-U-III and in accordance with NEN 7371	B
<b>AP04-verrichtingen</b> (versie 23-06-2016) (NAW-0132), <b>pakket E (analyse van eluaten)</b> (versie 23-06-2016) (NAW-0132-1) <b>volledig pakket</b>				
118.	Eluates	Determination of pH; potentiometry	W0524 in accordance with AP04-U-IV and in accordance with NEN-EN-ISO 10523	B
119.	Eluates	Determination of electrical conductivity; conductometry	W0506 in accordance with AP04-U-V and in accordance with NEN-ISO 7888	B
120.	Eluates	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, barium, cadmium, calcium, chromium, cobalt, copper, mercury, lead, molybdenum, nickel, selenium, tin, vanadium and zinc	W0421 and W0426 in accordance with AP04-E-I to XV and XIX and equivalent to NEN 7324 (mercury) and in accordance with NEN-EN-ISO 17294-2 (remaining metals)	B
121.	Eluates	Determination of the content of cyanides (free and complex); continuous flow analysis and spectrometry	W0517 in accordance with AP04-E-XVI and in accordance with NEN-EN-ISO 14403-2	B
122.	Eluates	Determination of the content of bromide, chloride and sulphate; liquid chromatography of ions	W0504 in accordance with AP04-E-XVII and in accordance with NEN-EN-ISO 10304-1	B
123.	Eluates	Determination of the content of fluoride; potentiometry	W0546 in accordance with AP04-E-XVIII and in accordance with NEN 6578	B



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3010</b> (versie 23-06-2016) (NAW-0133-2); <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond standaardpakket) volledig pakket</b>				
--	Soil	Sample pre-treatment for package 3010	W0101 in accordance with AS3000 and in accordance with NEN-EN 16179	B
124.	Soil	Determination of pH-CaCl <sub>2</sub> ; potentiometry	W0524 in accordance with performance sheet 3010-1 and in accordance with NEN-ISO 10390	B
125.	Soil	Determination of dry matter content; gravimetry	W0104 in accordance with performance sheet 3010-2 and in accordance with NEN-EN 15934	B
126.	Soil	Determination of organic matter content; gravimetry	W0109 in accordance with performance sheet 3010-3 and in accordance with NEN 5754	B
127.	Soil	Determination of the clay content; sedimentation	W0105 and W0173 in accordance with performance sheet 3010-4 and in accordance with NEN 5753	B
128.	Soil	Determination of the clay content; sedimentation and density determination	W0171 in accordance with performance sheet 3010-4 and equivalent to NEN 5753	B
129.	Soil	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) barium, cadmium, cobalt, copper, mercury (non-volatile), lead, molybdenum, nickel and zinc	W0107, W0423 and W0426 in accordance with performance sheet 3010-5 (digestion equivalent to NEN 6961, analysis in accordance with NEN-EN-ISO 17294-2)	B
130.	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); gas chromatography with mass spectrometry 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 and the sum of these 10 PAH	W0120 and W0271 in accordance with performance sheet 3010-6 and equivalent to NEN-ISO 18287)	B
131.	Soil	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0120 and W0202 in accordance with performance sheet 3010-7 and equivalent to NEN-EN-ISO 16703	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
132.	Soil	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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 seven PCB	W0120 and W0262 in accordance with performance sheet 3010-8 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
133.	Soil	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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 seven PCB	W0120 and W0271 in accordance with performance sheet 3010-8 and equivalent to NEN 6980 (extraction equivalent to NEN 6972)	B

**AS SIKB 3000** (versie 23-06-2016) (NAW-0133); **protocol 3020** (versie 23-06-2016) (NAW-0133-2) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend I) volledig pakket**

--	Soil	Sample pre-treatment for package 3020	W0101 in accordance with AS3000 and in accordance with NEN-EN 16179	B
134.	Soil	Determination of the content of organochloropesticides (OCP); gas chromatography with mass spectrometry hexachlorobenzene (HCB), $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), aldrin, dieldrin, endrin, sum of these three "drin's", o,p'-DDD, p,p'-DDD, sum of these two DDD's, o,p'-DDE, p,p'-DDE, sum of these two DDE's, o,p'-DDT, p,p'-DDT, sum of these two DDT's, heptachlor, $\alpha$ -endosulfan, isodrin, telodrin, cis-heptachlor epoxide, trans-heptachlor epoxide, sum of these two heptachlor epoxides, cis-chlorodane, trans-chlorodane, sum of these two chlorodanes, sum of organochloropesticides and hexachlorobutadiene	W0120 and W0262 in accordance with performance sheet 3020-1 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
135.	Soil	Determination of the content of less volatile chlorobenzenes; gas chromatography with mass spectrometry 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, sum of these three tetrachlorobenzenes, pentachlorobenzene and hexachlorobenzene, sum of chlorobenzenes	W0120 and W0262 in accordance with performance sheet 3020-2 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
136.	Soil	Determination of the content of miscellaneous organochloropesticides (OCP); gas chromatography with mass spectrometry δ-HCH, the sum of the HCH-compounds and endosulphansulphate	W0120 and W0262 in accordance with performance sheet 3020-3	B

**AS SIKB 3000** (versie 23-06-2016) (NAW-0133), **protocol 3030** (versie 23-06-2016) (NAW-0133-2) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend II) volledig pakket**

--	Soil	Sample pre-treatment for package 3030	W0101 in accordance with AS3000 and in accordance with NEN-EN 16179	B
137.	Soil	Determination of the content of volatile aromatic hydrocarbons, volatile halogenated hydrocarbons, MTBE and ETBE; static headspace – gas chromatography with mass spectrometry volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, sum of these three xylenes, styrene, sum of aromatic solvents, naphthalene volatile halogenated hydrocarbons: chloroethylene (vinyl chloride), dichloromethane, trichloromethane, tetrachloromethane, trichloroethylene, tetrachloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, sum of these three dichloroethylenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane and the sum of these two trichloroethanes, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane and the sum of these three dichloropropanes, tribromomethane other volatile compounds: methyltertiarybutylether (MTBE) and ethyltertiarybutylether (ETBE)	W0136, W0254 in accordance with performance sheet 3030-1 and in accordance with NEN-EN-ISO 22155	B
138.	Soil	Determination of the content of volatile chlorobenzenes; static headspace – gas chromatography with mass spectrometry monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the sum of dichlorobenzenes	W0136, W0254 in accordance with performance sheet 3030-2 and in accordance NEN-EN-ISO 22155	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
139.	Soil	Determination of the content of other solvents; static headspace – gas chromatography with mass spectrometry 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-ethyltoluene, 3-ethyltoluene, 4-ethyltoluene, isopropylbenzene, propylbenzene and the sum aromatic solvents	W0136, W0254 in accordance with performance sheet 3030-3 and in accordance with NEN-EN-ISO 22155	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3040</b> (versie 23-06-2016) (NAW-0133-2) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend III) volledig pakket</b>				
--	Soil	Sample pre-treatment for package 3040	W0101 in accordance with AS3000 and in accordance with NEN-EN 16179	B
140.	Soil	Determination of the content of cyanides (free, total and complex); continuous flow analysis and spectrometry	W0117 and W0517 in accordance with performance sheet 3040-1 and in accordance with NEN-ISO 17380	B
141.	Soil	Determination of chloride; liquid chromatography of ions	W0504 in accordance with performance sheet 3040-2 (analysis in accordance with NEN-EN-ISO 10304-1)	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3050</b> (versie 23-06-2016) (NAW-0133-2) <b>Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend IV) volledig pakket</b>				
--	Soil	Sample pre-treatment for package 3050	W0101 in accordance with AS3000 and in accordance with NEN-EN 16179	B
142.	Soil	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, chromium, tin, vanadium, beryllium, tellurium, thallium and silver	W0107, W0423 and W0426 in accordance with performance sheet 3050-1 and -2 (digestion equivalent to NEN 6961, analysis in accordance with NEN-EN-ISO 17294-2)	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3110</b> (versie 23-06-2016) (NAW-0133-3) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater standaardpakket) volledig pakket</b>				
143.	Groundwater	Determination of pH; potentiometry	W0524 in accordance with performance sheet 3110-1 and in accordance with NEN-EN-ISO 10523	B
144.	Groundwater	Determination of electrical conductivity; conductometry	W0506 in accordance with performance sheet 3110-2 and in accordance with NEN-ISO 7888	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
145.	Groundwater	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) barium, cadmium, cobalt, copper, mercury (non-volatile), lead, molybdenum, nickel and zinc	W0421 and W0426 in accordance with performance sheet 3110-3 and in accordance with NEN-EN-ISO 17294-2	B
146.	Groundwater	Determination of the content of polycyclic aromatic hydrocarbons (PAH); gas chromatography with mass spectrometry 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 and the sum of these 10 PAH	W0137 and W0260 in accordance with performance sheet 3110-4	B
147.	Groundwater	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0123 and W0215 in accordance with performance sheet 3110-5	B

**AS SIKB 3000 (versie 23-06-2016) (NAW-0133); protocol 3120 (versie 23-06-2016) (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend I); volledig pakket**

148.	Groundwater	Determination of the content of polychlorinated biphenyls (PCB) and organochloropesticides (OCP); gas chromatography with mass spectrometry 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-heptachlor epoxide, trans-heptachlor epoxide, sum of these two heptachlor epoxides, cis-chlorodane, trans-chlorodane and sum of these two chlorodanes	W0137 and W0260 in accordance with performance sheet 3120-1 and equivalent to NEN-EN-ISO 6468	B
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
149.	Groundwater	Determination of the content of tri- and tetrachlorobenzenes, penta- and hexachlorobenzene; gas chromatography with mass spectrometry 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, sum of these three tetrachlorobenzenes, pentachlorobenzene and hexachlorobenzene	W0137 and W0260 in accordance with performance sheet 3120-2 and equivalent to NEN-EN-ISO 6468	B

**AS SIKB 3000** (versie 23-06-2016) (NAW-0133); **protocol 3130** (versie 23-06-2016) (NAW-0133-3) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend II); volledig pakket**

150.	Groundwater	Determination of the content of volatile aromatic hydrocarbons and volatile halogenated hydrocarbons; static headspace – gas chromatography with mass spectrometry volatile aromatic hydrocarbons: benzene, toluene, ethylbenzene, o-xylene, m-xylene, p-xylene, sum of these three xylenes, styrene and naphthalene volatile halogenated hydrocarbons: chloroethylene (vinyl chloride) dichloromethane, trichloromethane, tetrachloromethane, trichloroethylene, tetrachloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, sum of these two 1,2-dichloroethylenes, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane, the sum of these three dichloropropanes and tribromomethane other volatile compounds: methyltertiarybutylether (MTBE) and ethyltertiarybutylether (ETBE)	W0122 and W0254 in accordance with performance sheet 3130-1 and equivalent to NEN-EN-ISO 15680	B
151.	Groundwater	Determination of the content of monochlorobenzene and dichlorobenzenes; static headspace – gas chromatography with mass spectrometry monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the sum of these three dichlorobenzenes	W0122 and W0254 in accordance with performance sheet 3130-2	B

**AS SIKB 3000** (versie 23-06-2016) (NAW-0133); **protocol 3140** (versie 23-06-2016) (NAW-0133-3) **(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend III); volledig pakket**

152.	Groundwater	Determination of the content of cyanide (free, total and complex); continuous flow analysis and spectrometry	W0517 in accordance with performance sheet 3140-1 and in accordance with NEN-EN-ISO 14403-2	B
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
153.	Groundwater	Determination of the content of anions; liquid chromatography of ions chloride, nitrate and sulphate	W0504 in accordance with performance sheet 3140-2 and in accordance with NEN-EN-ISO 10304-1	B
154.	Groundwater	Determination of the content of anions; discrete analysis and spectrometry chloride, nitrate, ortho-phosphate and sulphate	W0566 in accordance with performance sheet 3140-2 and in accordance with NEN-ISO 15923-1	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3150</b> (versie 23-06-2016) (NAW-0133-3) <b>(Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend IV); volledig pakket</b>				
155.	Groundwater	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, chromium, tin, vanadium, beryllium, tellurium, thallium and silver	W0421 and W0426 in accordance with performance sheet 3150-1 and -2 and in accordance with NEN-EN-ISO 17294-2	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3210</b> (versie 23-06-2016) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem standaard pakket) volledig pakket</b>				
--	Sediment	Sample pre-treatment for package 3210	W0101 in accordance with AS3000 and in accordance with NEN 5719	B
156.	Sediment	Determination of dry matter content; gravimetry	W0104 in accordance with performance sheet 3210-1 and in accordance with NEN-EN 15934	B
157.	Sediment	Determination of organic matter content; gravimetry	W0109 in accordance with performance sheet 3210-2 and in accordance with NEN 5754	B
158.	Sediment	Determination of the particle size fractions; sedimentation < 2 µm (clay)	W0173 in accordance with performance sheet 3210-3 and in accordance with NEN 5753	B
159.	Sediment	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) barium, cadmium, cobalt, copper, mercury (non-volatile), lead, molybdenum, nickel and zinc	W0107, W0423 and W0426 in accordance with performance sheet 3210-4 and in accordance with NEN-EN-ISO 17294-2 (digestion in accordance with NEN 6961)	B

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
160.	Sediment	Determination of the content of polycyclic aromatic hydrocarbons (PAH); gas chromatography with mass spectrometry 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 and the sum of these 10 PAH	W0120 and W0271 in accordance with performance sheet 3210-5 and equivalent to NEN-ISO 18287	B
161.	Sediment	Determination of the hydrocarbon oil index; gas chromatography with flame-ionisation detection	W0120 and W0202 in accordance with performance sheet 3210-6 and in accordance with NEN 6978 (extraction equivalent to NEN 6972, cleanup in accordance with NEN 6975)	B
162.	Sediment	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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 seven PCB	W0120 and W0262 in accordance with performance sheet 3210-7 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
163.	Sediment	Determination of the content of polychlorinated biphenyls (PCB); gas chromatography with mass spectrometry 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 seven PCB	W0120 and W0271 in accordance with performance sheet 3210-7 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
<b>AS SIKB 3000 (versie 23-06-2016) (NAW-0133); protocol 3220 (versie 23-06-2016) (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodembodem- en grondwateronderzoek; waterbodembodem aanvullend I) volledig pakket</b>				
--	Sediment	Sample pre-treatment for package 3220	W0101 in accordance with AS3000 and in accordance with NEN 5719	B



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Replaces annex dated: **16-01-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
164.	Sediment	Determination of the content of organochloropesticides (OCP); gas chromatography with mass spectrometry hexachlorobutadiene, pentachlorobenzene, hexachlorobenzene, the sum of chlorobenzenes, $\alpha$ -HCH, $\beta$ -HCH, $\gamma$ -HCH, the sum of these three HCH-compounds, aldrin, dieldrin, endrin, the sum of these three drin's, isodrin, telodrin, o,p'-DDD, p,p'-DDD, the sum of these two DDD's, o,p'-DDE, p,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 DD's, heptachlor, $\alpha$ -endosulfan, cis-heptachlor epoxide, trans-heptachlor epoxide, the sum of these two heptachlor epoxides, cis-chlorodane, trans-chlorodane and the sum of these two chlorodanes	W0120 and W0262 in accordance with performance sheet 3220-1 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B
165.	Sediment	Determination of the content of miscellaneous organochloropesticides (OCP); gas chromatography with mass spectrometry $\delta$ -HCH, the sum of the HCH-compounds and endosulphansulphate	W0120 and W0262 in accordance with performance sheet 3220-1 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B

**AS SIKB 3000** (versie 23-06-2016) (NAW-0133); **protocol 3230** (versie 23-06-2016) (NAW-0133-4) **(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend II) volledig pakket**

--	Sediment	Sample pre-treatment for package 3230	W0101 in accordance with AS3000 and in accordance with NEN 5719	B
166.	Sediment	Determination of the content of monochlorobenzene and dichlorobenzenes; static headspace – gas chromatography with mass spectrometry monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and the sum of these three dichlorobenzenes	W0136, W0254 in accordance with performance sheet 3230-1 and in accordance with NEN-EN-ISO 22155	B
167.	Sediment	Determination of the content of tri- and tetrachlorobenzenes; gas chromatography with mass spectrometry 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, the sum of these three tetrachlorobenzenes and the sum of the chlorobenzenes	W0120 and W0262 in accordance with performance sheet 3230-2 and equivalent to NEN 6980 (extraction equivalent to NEN 6972, cleanup equivalent to NEN 6974)	B

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Replaces annex dated: **16-01-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3240</b> (versie 23-06-2016) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend III) volledig pakket</b>				
--	Sediment	Sample pre-treatment for package 3240	W0101 in accordance with AS3000 and in accordance with NEN 5719	B
168.	Sediment	Determination of the content of cyanide (free, total and complex); continuous flow analysis and spectrometry	W0117 and W0517 in accordance with performance sheet 3240-1 and in accordance with NEN-ISO 17380	B
169.	Sediment	Determination of the content of chloride; liquid chromatography of ions	W0504 in accordance with performance sheet 3240-2 and in accordance with NEN-EN-ISO 10304-1 (analysis)	B
170.	Sediment	Determination of pH-H <sub>2</sub> O; potentiometry	W0524 in accordance with performance sheet 3240-3 and in accordance with NEN-ISO 10390	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3250</b> (versie 23-06-2016) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend IV) volledig pakket</b>				
--	Sediment	Sample pre-treatment for package 3250	W0101 in accordance with AS3000 and in accordance with NEN 5719	B
171.	Sediment	Determination of the content of metals; inductively coupled plasma with mass spectrometry (ICP-MS) antimony, arsenic, chromium, tin and vanadium	W0107, W0423 and W0426 in accordance with performance sheet 3250-1 and in accordance with NEN-EN-ISO 17294-2 (digestion in accordance with NEN 6961)	B
<b>AS SIKB 3000</b> (versie 23-06-2016) (NAW-0133); <b>protocol 3260</b> (versie 23-06-2016) (NAW-0133-4) <b>(Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend V) volledig pakket</b>				
--	Sediment	Sample pre-treatment for package 3260	W0101 in accordance with AS3000 and in accordance with NEN 5719	B
172.	Sediment	Determination of the content of pentachlorophenol; gas chromatography with mass spectrometry	W0139 and W0267 in accordance with performance sheet 3260-1 and equivalent to NEN-ISO 14154	B

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This annex is valid from: **03-04-2019 to 30-11-2020**

Replaces annex dated: **16-01-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
173.	Sediment	Determination of the content of organotin compounds; gas chromatography with mass spectrometry tributyltin compounds (TBT), triphenyltin compounds (TPhT) and the sum of these organotin compounds	W0140 and W0268 in accordance with performance sheet 3260-2 and in accordance with NEN-EN-ISO 23161	B

**UK Environment Agency MCERTS; Performance Standard for Laboratories Undertaking Chemical Testing of Soil**

174.	Soil	Determination of pH; potentiometry	W0524 in accordance with NEN-ISO 10390	B
175.	Soil	Determination of the content of total cyanide and free cyanide; continuous flow analysis and spectrometry	W0117 and W0517 in accordance with NEN-ISO 17380	B
176.	Soil	Determination of the content of elements; inductively coupled plasma with mass spectrometry (ICP-MS) arsenic, cadmium, chromium, copper, mercury, lead, nickel, selenium and zinc	W0107, W0423 and W0426 in accordance with NEN-EN-ISO 17294-2 (digestion in accordance with NEN 6961 and NEN-EN 16174)	B
177.	Soil	Determination of the content of Extractable Petroleum Hydrocarbons (EPH); gas chromatography with flame-ionisation detection C <sub>10</sub> -C <sub>12</sub> , C <sub>12</sub> -C <sub>21</sub> , C <sub>21</sub> -C <sub>30</sub> , C <sub>30</sub> -C <sub>40</sub> and total EPH C <sub>10</sub> -C <sub>40</sub>	W0120 and W0202 equivalent to NEN-EN-ISO 16703	B
178.	Soil	Determination of the content of volatile components; static headspace – gas chromatography with mass spectrometry benzene, toluene, ethylbenzene, xylenes	W0136 and W0254 in accordance with NEN-EN-ISO 22155 (extraction in accordance with NEN 6973)	B
179.	Soil	Determination of the content of polycyclic aromatic hydrocarbons; gas chromatography – mass spectrometry naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene and indeno(1,2,3-c,d)pyrene	W0120 and W0271 equivalent to NEN-ISO 18287	B