

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2005  
 Registration number: **L 005**

of **AL-West B.V.**

This annex is valid from: **20-08-2020** to **01-06-2021**

Replaces annex dated: **10-07-2019**

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

**Head Office**

Dortmundstraat 16B  
 7418 BH  
 Deventer  
 The Netherlands

Location	Abbreviation/ location code
Dortmundstraat 16B 7418 BH Deventer The Netherlands	DE

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>Sample pretreatment</b>				
a	Soil, sediment and sludge	Grinding and homogenizing using a grinding/homogenizing apparatus (pretreatment for all parameters in soil and sludge; particle size and asbestos excluded)	MP-01641-NL in house method	DE
b	Soil	Sample pretreatment	MP-01558-NL NEN-EN 16179	DE

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

J.A.W.M. de Haas

<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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<b>Asbestos analyses</b>				
1.	Bulk materials	Determination of the content of asbestos; stereo- and polarization microscopy chrysotile, crocidolite, amosite, anthophyllite, actinolite, tremolite	MP-01710-NL NEN 5896	DE
2.	Soil, sediment, construction and demolition waste and granulate	Determination of the content of asbestos; stereo- and polarization microscopy chrysotile, crocidolite, amosite, anthophyllite, actinolite, tremolite	MP-01711-NL MP-01789-NL MP-01790-NL MP-01710-NL NEN 5898	DE
<b>Asphalt tests</b>				
3.	Asphalt cores	Determination of layer thickness and construction building in cores; ruler	MP-01649-NL RAW 2015 test 77.1	DE
4.	Asphalt cores	Demonstration of the content of polycyclic aromatic hydrocarbons (PAH); PAH detector	MP-01649-NL RAW 2015 test 77.2	DE
5.	Asphalt granulate	Determination of the content of polycyclic aromatic hydrocarbons; HPLC-UV and HPLC-fluorescence naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01680-NL in house method	DE
6.		Determination of the content of polycyclic aromatic hydrocarbons; GC-MS naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01681-NL NEN-EN 15527	DE
<b>Leaching tests</b>				

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c	Soil and solid materials	Determination of the availability for leaching (inorganic components)	MP-01647-NL NEN 7371	DE
d		Determination of the leaching characteristics using a single- test (inorganic components)	MP-01643-NL NEN-EN 12457-2/4 and NVN 7350	DE
e	Soil and solid materials	Determination of the leaching characteristics using a column test (inorganic components)	MP-01645-NL NEN 7373 and NEN 7383	DE
f		Determination of the leaching characteristics using a diffusion test (inorganic components)	MP-02046-NL NEN 7375	DE

#### Inorganic parameters

7.	Water*	Determination of the amount of settleable solids; volumetric analyses	MP-01776-NL NEN 6623	DE
8.		Determination on the content of suspended solids and loss on ignition; filtration and gravimetric analyses	MP-01740-NL NEN-EN 872	DE
9.	Waste water	Determination of the content of suspended solids and loss on ignition; filtration and gravimetric analyses	MP-01787-NL NEN 6621	DE
10.	Surface water and groundwater	Determination of the content of suspended solids and loss on ignition; filtration and gravimetric analyses	MP-01691-NL NEN 6484	DE
11.	Eluate	Determination of total dissolved solids (TDS); gravimetric analyses	MP-01669-NL NEN-EN 15216	DE
12.	Soil, sediment, sludge and building material	Determination of the dry matter content; gravimetric analyses	MP-01562-NL NEN-EN 15934 (soil) NEN-EN 12880 (sludge) and in-house method (sediment) CMA/2/II/A.1 (building material)	DE
13.		Determination of the loss on ignition; gravimetric analyses	MP-01640-NL in-house method (soil, sediment) and NEN-EN 12879 (sludge)	DE

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14.	Soil and sediment	Determination of the particle size (2 - 2000 µm); pipette and sieve	MP-01726-NL NEN 5753+C1 and ISO 11277 (soil)	DE
15.		Determination of the particle size (2 - 2000 µm); sedigraph and sieve	MP-01658-NL in-house method	DE
16.	Soil, sediment and sludge	Determination of the content of carbonate by incineration; gravimetric analyses	MP-01640-NL in-house method	DE
17.	Wastewater	Determination of petroleum ether extractable oils and fats; gravimetric analyses	MP-01773-NL MP-01786-NL NEN 6671	DE
18.	Soil, sediment, eluate and water*	Determination of the conductivity; conductometry	MP-01638-NL NEN 5749 (soil), ISO 11265 (soil), NEN-ISO 7888 (water, eluate), NEN-EN 16192 (eluate) and in-house method (sediment)	DE
19.	Water*	Determination of the pH; electrochemistry	MP-01638-NL NEN-EN-ISO 10523	DE
20.	Soil and sediment	Determination of the pH-H <sub>2</sub> O; electrochemistry	MP-01637-NL NEN-ISO 10390	DE
21.	Soil	Determination of the pH-KCl en pH-CaCl <sub>2</sub> ; electrochemistry	MP-01637-NL NEN-ISO 10390	DE
22.	Water*, eluate and gas absorbing liquid	Determination of the content of fluoride; ion selective electrode	MP-01758-NL NEN 6578 (water, eluate) in-house method (measurement: NEN 6578) (gas absorbing liquid)	DE
23.	Eluate and gas absorbing liquid	Determination of the content of fluoride; ion selective electrode	MP-01750-NL NEN-EN 16192 and ISO 10359-1 (eluate) NF-X-43-304 (gas absorbing liquid)	DE
24.	Water*	Determination of the biochemical oxygen demand after 5 days (BOD-5); potentiometric analyses	MP-01657-NL NEN-EN 1899	DE
25.		Determination of the chemical oxygen demand; potentiometric titration	MP-01656-NL NEN 6633+A1 and NF T 90-101	DE

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26.		Determination of total and composite alkalinity; titrimetry	MP-01690-NL NEN-EN-ISO 9963-1	DE
27.	Gas absorbing liquid and eluate	Determination of the content of anions; ion chromatography bromide, chloride and sulphate	MP-01661-NL NEN-EN-ISO 10304-1 NEN-EN 14791 (gas absorbing liquid)	DE
28.	Soil	Determination of the content of bromide; ion chromatography	MP-01661-NL in-house method (measurement: NEN-EN-ISO 10304-1)	DE
29.	Gas absorbing liquid	Determination of the content of ammonium nitrogen; discrete analysis and spectrometry	MP-01672-NL NEN-ISO 15923-1	DE
30.	Groundwater	Determination of the content of bromide; nitrate and nitrite ion chromatography	MP-01661-NL NEN-EN-ISO 10304-1	DE
31.	Water*	Determination of the content of bromide; ion chromatography	MP-01661-NL NEN-EN-ISO 10304-1	DE
32.	Soil and water*	Determination of the content of chromium (VI); ion chromatography	MP-01660-NL EPA 218.6 (1991) and EPA 7199 (1996) (water) NEN-EN 15192 (soil)	DE
33.	Groundwater, surface water, waste water and eluate	Determination of the content of perchlorate; ion chromatography	MP-01664-NL in-house method	DE
34.	Soil and sediment	Determination of the content of anions; discrete analysis and spectrometry chloride, sulphate, nitrate, nitrite and ammonium	MP-01672-NL in-house method (measurement: NEN-ISO 15923-1)	DE
35.	Water* and eluate	Determination of the content of anions; discrete analysis and spectrometry chloride, sulphate, nitrate, nitrite, orthophosphate and ammonium	MP-01672-NL NEN-ISO 15923-1 eluate: ammonium: NEN-EN 16192 (eluate)	DE

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36.	Water* and eluate	Determination of the content of total phosphor; discrete analysis and spectrometry	MP-01672-NL MP-01671-NL NEN-EN-ISO 15681-2 (water: sample pretreatment NEN 6663 (1987) and measurement NEN-ISO 15923-1)	DE
37.	Gas absorbing liquid	Determination of the content of ammonium nitrogen; auto-analyzer	MP-01666-NL NEN 6646 and NEN-EN-ISO 11732	DE
38.		Determination of the content of formaldehyde; spectrometry	MP-01694-NL EPA method 316	DE
39.	Groundwater, surface water, waste water	Determination of color; spectrometry	MP-01702-NL NEN-EN-ISO 7887 method C	DE
40.	Surface water	Determination of the content of chlorophyl-a; spectrometry	MP-01700-NL NEN 6520+C1	DE
41.	Water*	Determination of the content of nitrogen according to Kjeldahl and the total content of nitrogen; auto-analyzer	MP-01670-NL MP-01666-NL NEN 6646 and NEN 6642 (1992)	DE
42.	Water*, soil, sediment and sludge	Determination of the content of total cyanide according to EPA; auto-analyzer	MP-01667-NL EPA 335.3 (water) and in-house method (soil, sediment, sludge; measurement EPA 335.3)	DE
43.	Soil, sediment, eluate, water* and gas absorbing liquid	Determination of the content of free and total cyanide; auto-analyzer	MP-01667-NL NEN-EN-ISO 17380 (soil), NEN-EN-ISO 14403-2 (water, eluate), NEN-EN 16192 (eluate, free cyanide) and in-house method (sediment) in according with NEN-EN-ISO 14403-2 and LUC/III/009 (analysis part) (gas absorbing liquid)	DE

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44.	Water*, soil, sediment, sludge and eluate	Determination of the content of water vapour volatile phenols; auto-analyzer	MP-01668-NL water and eluate: NEN-EN-ISO 14402 soil, sediment and sludge: in-house method (sample pretreatment in-house method, analysis NEN-EN-ISO 14402) eluate: NEN-EN 16192	DE
45.	Water* and eluate	Determination of the content of Total Organic Carbon (TOC) and Dissolved Organic Carbon (DOC); combustion and IR-detection	MP-01719-NL NEN-EN 1484 (water) and NEN-EN 16192 (eluate)	DE
46.	Soil	Determination of the content of Total Organic Carbon (TOC); combustion and IR-detection	MP-01718-NL NEN-ISO 10694 (2008)	DE
47.	Surface water, waste water	Determination of the content of bound nitrogen; chemiluminescence	MP-01742-NL NEN-EN 12260 WAC/III/D/033	DE
48.	Groundwater, eluate, gasabsorbing liquid	Determination of the content of bound nitrogen; chemiluminescence	MP-01742-NL in-house method (measurement NEN-EN 12260)	DE
49.	Water*	Determination of the permanganate index; titrimetry	MP-01714-NL NEN-EN-ISO 8467	DE
50.	Soil, building materials	Determination of flash point; hand method	MP-01709-NL in-house method (measurement ASTM D56-16a)	DE

#### Element analyses

51.	Groundwater and surface water	Determination of the content of solved metals; ICP-AES boron	MP-01651-NL MP-01653-NL MP-01654-NL NEN 6966 and NEN-EN-ISO 11885	DE
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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
52.	Gas absorbing liquid	Determination of the content of metals; ICP-MS antimony, arsenic, cadmium, chromium, cobalt, copper, lead, manganese, nickel, thallium and vanadium	MP-01651-NL MP-01673-NL MP-01654-NL NEN-EN 14385 (analysis part) NEN-EN-ISO 17294-2 (2004)	DE
53.	Gas absorbing liquid	Determination of the content of metals; ICP-MS barium, calcium, potassium, magnesium, molybdenum, sodium, selenium, tin, iron and zinc	MP-01651-NL MP-01673-NL MP-01654-NL NEN-EN-ISO 17294-2 (2004)	DE
54.	Water*	Determination of the content of metals; digestion and ICP-AES boron	MP-01651-NL MP-01653-NL MP-01654-NL NEN 6953 (digestion: NEN 6961, measurement: NEN 6966)	DE
55.	Air filter	Determination of the content of metals; digestion with HF/HNO <sub>3</sub> and ICP-AES antimony, arsenic, cadmium, chromium, cobalt, copper, lead, manganese, nickel, thallium, vanadium and zinc	MP-01651-NL MP-01653-NL MP-01654-NL in-house method (measurement NEN-EN 14385)	DE
56.	Groundwater and surface water and eluate	Determination of the content of solved metals; ICP-MS antimony, arsenic, barium, cadmium, calcium, chromium, potassium, cobalt, copper, lead, magnesium, manganese, molybdenum, sodium, nickel, selenium, thallium, tin, vanadium, iron and zinc	MP-01651-NL MP-01673-NL MP-01654-NL NEN-EN-ISO 17294-2 (2004)	DE
57.	Waste water	Determination of the content of metals; digestion and ICP-MS aluminum, arsenic, antimony, barium, cadmium, calcium, chromium, phosphor, potassium, cobalt, copper, lead, magnesium, manganese, molybdenum, sodium, nickel, selenium, thallium, tin, vanadium, iron and zinc	MP-01651-NL MP-01673-NL MP-01654-NL NEN 6953 (digestion: NEN6961, measurement: NEN-EN-ISO 17294-2 (2004))	DE



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58.	Soil, sediment and sludge	Determination of the content of metals; digestion and ICP-AES antimony, arsenic, barium, beryllium, calcium, cadmium, chromium, phosphor, cobalt, copper, magnesium, manganese, molybdenum, nickel, lead, selenium, tin, vanadium, iron and zinc	MP-01651-NL MP-01653-NL MP-01654-NL NEN 6950 (digestion: NEN-EN 6961, measurement: NEN 6966 and NEN-EN-ISO 11885)	DE
59.	Waste	Determination of the content of metals; digestion and ICP-AES antimony, arsenic, barium, calcium, cadmium, chromium, phosphor, cobalt, copper, magnesium, manganese, molybdenum, nickel, lead, selenium, tin, vanadium, iron and zinc	MP-01651-NL MP-01653-NL MP-01654-NL in-house method (digestion: NEN-EN 13657 (waste); measurement: NEN 6966 and NEN-EN-ISO 11885)	DE
60.	Groundwater and surface water	Determination of the content of mercury; cold vapour-AAS	MP-01655-NL MP-01654-NL NEN 6445 (1997)	DE
61.	Water*, eluate and Gas absorbing liquid	Determination of the content of mercury; cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL NEN-EN 1483 (2007) and NEN-EN 16192 (eluate)	DE
62.	Air filter	Determination of the content of mercury; cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL in-house method (measurement: NEN-EN 13211)	DE
63.	Soil, sediment and sludge	Determination of the content of mercury; digestion and cold vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL NEN 6950 (digestion NEN 6961, measurement NEN-ISO 16772)	DE
64.	Absorption tube	Determination of the content of mercury; cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL NF ISO 17733	DE

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65.	Groundwater, surface water,	Determination of the content of mercury; cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL NEN-EN-ISO 12846 WAC/III/B/014	DE
66.	Waste water	Determination of the content of mercury; digestion and cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL in-house method (digestion: NEN 6961, measurement: NEN-EN-ISO 12846) WAC/III/B/014	DE
67.	Gasabsorbing liquid, eluate	Determination of the content of mercury; cold vapour-AAS	MP-01651-NL MP-01655-NL MP-01654-NL in-house method (measurement: NEN-EN-ISO 12846) and LUC/III/010 (gas absorbing liquid)	DE

**Organic parameters**

68.	Soil, sediment and sludge	Determination of the content of polycyclic aromatic hydrocarbons; HPLC-UV and HPLC-fluorescence naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01678-NL MP-01680-NL in-house method	DE
69.	Water*	Determination of the content of polycyclic aromatic hydrocarbons; GC-MS naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01677-NL in-house method	DE

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70.	Water*	Determination of the content of polycyclic aromatic hydrocarbons; HPLC UV and HPLC-fluorescence naphthalene, acenaphthene, acenaphthylene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01680-NL NEN-EN-ISO 17993	DE
71.	Soil	Determination of the content of polycyclic aromatic hydrocarbons; HPLC-UV and HPLC-fluorescence naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01678-NL MP-01680-NL ISO 13877 (1998)	DE
72.		Determination of the content of polycyclic aromatic hydrocarbons; HPLC-UV and HPLC-fluorescence naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene and sum of 16 PAHs	MP-01678-NL MP-01680-NL NEN-EN 16181	DE
73.	Air filter	Determination of the content of polycyclic aromatic hydrocarbons; GC-MS benzo(j)fluoranthene	MP-01682-NL MP-01681-NL in-house method	DE
74.	Air filter	Determination of the content of polycyclic aromatic hydrocarbons; GC-MS naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01682-NL MP-01681-NL NF X 43-329 and ISO 11338-2	DE

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75.	Soil	Determination of the content of polycyclic aromatic hydrocarbons; ASE and GC-MS naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, benzo(ghi)perylene, dibenz(ah)anthracene and indeno(1,2,3-cd)pyrene	MP-01560-NL MP-01681-NL CMA/3/B	DE
76.	Soil	Determination of the content of mineral oil and oil products; ASE and GC-FID	MP-01560-NL MP-01678-NL CMA/3/R.1	DE
77.	Soil, sediment, sludge and water*	Determination of the content of mineral oil and oil products; GC-FID	MP-01675-NL MP-01678-NL in-house method	DE
78.	Soil	Determination of the content of mineral oil; GC-FID	MP-01678-NL NEN-EN-ISO 16703	DE
79.	Water*	Determination of the content of mineral oil; GC-FID	MP-01675-NL NEN-EN-ISO 9377-2	DE
80.	Soil	Determination of the content of aliphatic and aromatic hydrocarbons; GC-FID Aliphatic fraction C10-C40 including fractions >C10-C12, >C12-C16, >C16-C21, >C21-C35, >C35-C40 aromatic fraction C10-C40 including fractions >C10-C12, >C12-C16, >C16-C21, >C21-C35, >C35-C40	MP-01675-NL, MP-01678-NL, MP-01727-NL NVN-CEN ISO/TS 16558-2	DE
81.	Soil, sediment and sludge	Determination of the content of organochlorine pesticides; GC-ECD aldrin, heptachlor, cis-heptachloro epoxide, 2,4 DDT, 4,4 DDT, 2,4 DDD, 4,4 DDD, 4,4 DDE, $\alpha$ -HCH, $\beta$ -HCH, $\gamma$ -HCH, $\delta$ -HCH, $\alpha$ -endosulphan, cis-chlordane, trans-chlordane, dieldrin, endrin, telodrin, isodrin, endosulphan sulphate, 2,4-DDE, $\beta$ -endosulphan	MP-01834-NL in-house method	DE

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82.	Soil, sediment and water*	Simultaneous determination of the content of non-volatile components; GC-MS simazine, propazine, atrazine, terbutryn, prometryn, desmethryn, cyanazine, terbutylazine, dimethoate, diazinone, parathion methyl, malathion, parathion ethyl, bromophos methyl, methidathion, bromophos ethyl, ethion, azinphos methyl, azinphos ethyl, disulphoton, chlorpyriphos, mevinphos, triazophos, fenitrothion, coumaphos, pyrazophos, trifluralin, dichlorobenzonitrile and fenthion	MP-01845-NL in-house method	DE
83.	Soil, sediment and water*	Simultaneous determination of the content of softeners (phthalates); GC-MS dimethylphthalate, diethylphthalate, diisopropylphthalate, dipropylphthalate, diisobutylphthalate, dibutylphthalate, dipentylphthalate, diheptylphthalate, dioctylphthalate, bis(2-ethylhexyl)phthalate (DOP, DEHP) and benzylbutylphthalate	MP-01845-NL in-house method	DE
84.	Water*	Determination of the content of extractable organohalogen compounds (EOX); micro-coulometry	MP-01824-NL NEN 6402	DE
85.	Soil and sediment	Determination of the content of extractable organohalogen compounds (EOX); micro-coulometry	MP-01819-NL in-house method	DE
86.	Waste water	Determination of the content of extractable organohalogen compounds (EOX); micro-coulometry	MP-01824-NL in-house method	DE
87.	Water*	Determination of the content of adsorbable organohalogenes (AOX); microcoulometry	MP-01722-NL NEN-EN-ISO 9562	DE
88.		Determination of the content of volatile organohalogenes (VOX); microcoulometry	MP-01720-NL in-house method; WAC/IV/B/012	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
89.	Soil and sediment	Determination of the content of aromatic aliphatic, chlorinated and brominated hydrocarbons; headspace GC-MS benzene, toluene, ethyl benzene, xylenes, naphthalene, styrene, dichloromethane, trichloromethane, tetrachloromethane, 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1,1,-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,2,3-trichloropropane, cis-1,3-dichloropropylene, trans-1,3-dichloropropylene, monochlorobenzene, 1,2-dichlorobenzene and methyl-t-butylether, 1,3-dichloropropane, pentane, hexane, heptane, octane, nonane, decane, undecane, dodecane, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, $\alpha$ -methylstyrene, mesitylene, propylbenzene, isopropylbenzene, bromochloromethane, bromotrichloromethane, dibromomethane, dichlorobromomethane, dibromochloromethane, tribromomethane, hexachlorobutadiene, iso-octane, cyclohexane, 1,1-dichloroethylene, 2,3-dichloro-1-propylene, hexachloroethane, 1,1,1,2-tetrachloroethane and vinyl chloride	MP-01544-NL NEN-EN-ISO 22155	DE
90.	Soil and sediment	Determination of the content of aromatic and aliphatic hydrocarbons; headspace GC-MS volatile hydrocarbon fraction (C5-C10), volatile hydrocarbon fraction (C6-C10)	MP-01544-NL NEN-EN-ISO 16558-1	DE

## Annex to declaration of accreditation (scope of accreditation)

Normative document: EN ISO/IEC 17025:2005

Registration number: L 005

of AL-West B.V.

This annex is valid from: 20-08-2020 to 01-06-2021

Replaces annex dated: 10-07-2019

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
91.	Water*	Determination of the content of aromatic hydrocarbons; headspace GC-MS benzene, toluene, m/p-xylene, o-xylene and ethyl benzene, naphthalene, hexane, heptane, octane, nonane, decane, undecane, dodecane, 1,2,3 trimethylbenzene, 1,2,4-trimethylbenzene, 1,2,3 trichlorobenzene, 1,2,4 trichlorobenzene, 1,3,5 trichlorobenzene, a-methylstyrene, mesitylene, propylbenzene, isopropylbenzene, hexachlorobutadiene, iso-octane, cyclohexane and styrene	MP-01544-NL ISO 11423-1	DE
92.		Determination of the content of chlorinated hydrocarbons; headspace GC-MS dichloromethane, trichloromethane, tetrachloromethane, 1,1-dichloroethane, 1,2-dichloroethane, trichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloroethylene, tetrachloroethylene, 1,2-dichloropropane, 1,3-dichloropropane, cis-1,3-dichloropropylene, trans-1,3-dichloropropylene, dibromomethane, bromochloromethane, dibromochloromethane, dichlorobromomethane, tribromomethane, 1,1,2-trichloropropane, monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-trichloropropane, 2,3-dichloro-1-propylene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, methyl-t-butylether and vinylchloride	MP-01544-NL NEN-EN-ISO 10301	DE
93.	Waste water	Determination of the content of aromatic and aliphatic and chlorinated hydrocarbons; headspace GC-MS 2-chlorobutadiene (chloroprene), 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene and 3-chloroprene	MP-01544-NL in-house method (analysis NEN-EN-ISO 10301)	DE

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2005  
 Registration number: **L 005**

of **AL-West B.V.**

This annex is valid from: **20-08-2020 to 01-06-2021**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
94.	Water*	Determination of the content of aromatic and chlorinated hydrocarbons; headspace GC-MS Purge & Trap benzeen, toluen, ethylbenzeen, meta/para-xyleen, ortho-xyleen, naftaleen, styreen, vinylchloride, dichloormethaan, chloroform, tetrachloorkoolstof, trichloorethyleen, tetrachlooretheen, 1,1,1-trichloorethaan, 1,1,2-trichloorethaan, 1,1-dichloorethaan, 1,2-dichloorethaan, 1,2-dichlooretheen (cis), 1,2-dichlooretheen (trans), 1,1-dichlooretheen, 1,1-dichloorpropaan, 1,2-dichloorpropaan, 1,3-dichloorpropaan, monochloorbenzeen, 1,3-dichloorbenzeen, 1,4-dichloorbenzeen, 1,2-dichloorbenzeen, ethyl-butyl ether, methyl-butyl ether, bromoform, 1,1,1,2-tetrachloorethaan, 1,1,2,2-tetrachloorethaan, isopropylbenzeen, propylbenzeen, allylbenzeen, 2-ethyltolueen, 3,4-ethyltolueen, 2-chloortolueen, 3-chloortolueen, 4-chloortolueen, 1,3,5-trimethylbenzeen, 1,2,4-trimethylbenzeen, 1,2,3-trimethylbenzeen, 1,3,5-trichloorbenzeen, 1,2,4-trichloorbenzeen, 1,2,3-trichloorbenzeen, 1,2-diethylbenzeen, 1,3-diethylbenzeen.	MP-01674-NL NEN-EN-ISO 15680	DE



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
95.	Carbon tube and Carbon diffusion-badge and carboxen	Determination of the content of alkanes, alcohols, aromatics, esters, ethers, ketones and acrylates, chlorinated- and brominated hydrocarbons; GC-MS benzene, toluene, ethyl benzene, xylenes, naphthalene, styrene, mesitylene, isopropylbenzene, propylbenzene, alfa-methylstyrene, volatile hydrocarbon fraction (C6-C10), n-pentane, n-hexane, n-heptane, n-octane, n-nonane, n-decane, n-undecane, n-dodecane, iso-octane, ethanol, isopropanol, n-butanol, isobutanol, sec.butanol, tert.butanol, n-pentanol, cyclohexanol, 4-methyl-2-pentanol, methyl acetate, ethyl acetate, n-propyl acetate, isopropyl acetate, n-butyl acetate, isobutyl acetate, sec.butyl acetate, tert.butyl acetate, n-pentyl acetate, vinyl acetate, diethyl ether, diisopropyle ther, tetrahydrofurane, 1,4-dioxane, methyl tert-butyl ether, diphenyl ether, 1-methoxy-2-propanol, 1-methoxy-2-propyl acetate, 2-butoxy ethyl acetate, acetone, methyl ethyl ketone, methyl isobutyl ketone, 2-hexanone, diisobutyl ketone, cyclohexanone, 5-methyl-2-hexanone, methyl acrylate, methyl metacrylate, ethyl acrylate, ethyl metacrylate, butyl acrylate, butyl metacrylate, dichloromethane, trichloromethane, tetrachlorocarbon, trichloroethylene, tetrachloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloorethylene, cis-1,2-dichloorethylene, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, monochlorobenzene, dichlorobenzenes and trichlorobenzenes, vinyl chloride, bromochloromethane, bromodichloromethane, dibromomethane, dibromochloromethane, tribromomethane, acrylonitrile, isoforone, 1-methyl-2-pyrrolidone, 1,2-dibromoethane, 2-chloropropane, 2/3-methylcyclohexanon and 4-methylcyclohexanon	MP-01495-NL in-house method	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
96.	Water*	Determination of the content of water soluble solvents; headspace GC-MS acetone, acetonitrile, n-butanol, isobutanol, sec.butanol, tert.butanol, butyl acetate, diethyl ether, dioxane, ethanol, ethyl acetate, methanol, methyl acetate, methyl ethyl ketone, methyl isobutyl ketone, n-propanol, isopropanol, tetrahydrofurane	MP-01837-NL in-house method	DE
97.	Soil and sediment	Determination of the content of organotin compounds; GC-MS tributyltin and triphenyltin	MP-01852-NL in-house method	DE
98.	Soil	Determination of organotin compounds; GC-MS monobutyltin and dibutyltin	MP-01852-NL in-house method	DE
99.	Surface water	Determination of the content of organotin compounds; GC-MS tributyltin and triphenyltin	MP-01852-NL in-house method	DE
100.	Soil and sediment	Determination of the content of chlorophenols; GC-MS 2,3-dichlorophenol, 2,4/2,5-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, pentachlorophenol	MP-01713-NL MP-01861-NL NEN-ISO 14154 (soil), in-house method (sediment)	DE
101.		Determination of the content of chlorophenols; alkylphenols and phenol; GC-MS 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,3,5,6-tetrachlorophenol, 4-chloro-3-methylphenol, phenol, cresols (m,p,o), 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,4-dimethylphenol, 3,5-dimethylphenol en ethylphenols (m,p,o)	MP-01713-NL MP-01861-NL in-house method	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
102.	Water*	Determination of the content of chlorophenols; GC-MS 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, 2,3-dichlorophenol, 2,4/2,5-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	MP-01713-NL NEN-EN 12673	DE
103.		Determination of the content of chlorophenols, alkylphenols and phenol; GC-MS 4-chloro-3-methylphenol, phenol, cresols (m,p,o), 2,3-dimethylphenol, 2,4-dimethylphenol, 2,5-dimethylphenol, 2,6-dimethylphenol, 3,4-dimethylphenol, 3,5-dimethylphenol and ethylphenols (m,p,o)	MP-01713-NL in-house method	DE
104.	Soil, sediment, sludge and fly ash	Determination of the content of dioxins and dibenzofurans, 17 toxic congeners and group totals; GC-HRMS 2,3,7,8 TCDD, 1,2,3,7,8 PCDD, 1,2,3,4,7,8 HxCDD, 1,2,3,6,7,8 HxCDD, 1,2,3,7,8,9 HxCDD, 2,3,7,8 TCDF, 1,2,3,7,8 PCDF, 2,3,4,7,8 PCDF, 1,2,3,4,7,8 HxCDF, 1,2,3,6,7,8 HxCDF, 1,2,3,7,8,9 HxCDF, 2,3,4,6,7,8 HxCDF, 1,2,3,4,6,7,8 HpCDD, OCDD, 1,2,3,4,6,7,8 HpCDF, 1,2,3,4,7,8,9 HpCDF, OCDF, and TEQ according NATO/CCMS upperbound and TEQ according NATO/CCMS and TEQ according WHO 2005 upperbound and TEQ according WHO 2005	MP-01689-NL in-house method (measurement NEN-EN 1948)	DE

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This annex is valid from: **20-08-2020 to 01-06-2021**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
105.	Water*	Determination of the content of dioxins and dibenzofurans, 17 toxic congeners and group totals; GC-HRMS 2,3,7,8 TCDD, 1,2,3,7,8 PCDD, 1,2,3,4,7,8 HxCDD, 1,2,3,6,7,8 HxCDD, 1,2,3,7,8,9 HxCDD, 2,3,7,8 TCDF, 1,2,3,7,8 PCDF, 2,3,4,7,8 PCDF, 1,2,3,4,7,8 HxCDF, 1,2,3,6,7,8 HxCDF, 1,2,3,7,8,9 HxCDF, 2,3,4,6,7,8 HxCDF, 1,2,3,4,6,7,8 HpCDD, OCDD, 1,2,3,4,6,7,8 HpCDF, 1,2,3,4,7,8,9 HpCDF, OCDF, and TEQ according NATO/CCMS upperbound and TEQ according NATO/CCMS and TEQ according WHO 2005 upperbound and TEQ according WHO 2005	MP-01689-NL ISO 18073	DE
106.	Air	Determination of the content of dioxins and dibenzofurans; GC-HRMS 2,3,7,8 TCDD, 1,2,3,7,8 PCDD, 1,2,3,4,7,8 HxCDD, 1,2,3,6,7,8 HxCDD, 1,2,3,7,8,9 HxCDD, 2,3,7,8 TCDF, 1,2,3,7,8 PCDF, 2,3,4,7,8 PCDF, 1,2,3,4,7,8 HxCDF, 1,2,3,6,7,8 HxCDF, 1,2,3,7,8,9 HxCDF, 2,3,4,6,7,8 HxCDF, 1,2,3,4,6,7,8 HpCDD, OCDD, 1,2,3,4,6,7,8 HpCDF, 1,2,3,4,7,8,9 HpCDF and OCDF and TEQ according to NATO/CCMS Upper bound and TEQ according to NATO/CCMS, TEQ according WHO 2005 upperbound and TEQ according WHO 2005	MP-01689-NL NEN-EN 1948	DE
107.	Soil and sediment	Determination of the content of polychlorinated biphenyls (PCB's); 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) and PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl)	MP-01678-NL MP-01679-NL ISO 10382 (soil) in-house method (sediment) NEN-EN 16167 (2012) (soil)	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
108.	Soil and sludge	Determination of the content of organochlorine pesticides (OCP's) and polychlorinated biphenyls (PCB's); GC-MS aldrin, dieldrin, endrin, telodrin, isodrin, heptachlor, cis-heptachloro epoxide, trans-heptachloro epoxide, hexachlorobenzene, 2,4-DDE, 4,4-DDE, 2,4-DDT, 4,4-DDT, 2,4-DDD, 4,4-DDD, $\alpha$ -HCH, $\beta$ -HCH, $\gamma$ -HCH, $\delta$ -HCH, $\epsilon$ -HCH, $\alpha$ -endosulphan, endosulphan sulphate, hexachlorobutadiene, cis-chlordane, trans-chlordane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,2,3,4-tetrachlorobenzene, pentachlorobenzene, 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) and PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl)	MP-01678-NL MP-01545-NL MP-01679-NL in-house method	DE
109.	Water*	Determination of the content of organochlorine pesticides (OCP's) and polychlorinated biphenyls (PCB's); GC-MS aldrin, dieldrin, endrin, telodrin, isodrin, heptachlor, cis-heptachloro epoxide, trans-heptachloro epoxide, hexachlorobenzene, 2,4-DDE, 4,4-DDE, 2,4-DDT, 4,4-DDT, 2,4-DDD, 4,4-DDD, $\alpha$ -HCH, $\beta$ -HCH, $\gamma$ -HCH, $\delta$ -HCH, $\epsilon$ -HCH, $\alpha$ -endosulphan, endosulphansulphate, hexachlorobutadiene, cis-chlordane and trans chlordane, 1,2,3,5-tetrachlorobenzene, 1,2,4,5-tetrachlorobenzene, 1,2,3,4-tetrachlorobenzene, pentachlorobenzene, 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) and PCB 180 (2,3,4,5 2',4',5' heptachlorobiphenyl)	MP-01545-NL MP-01679-NL MP-01677-NL NEN-EN-ISO 6468	DE

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 Normative document: EN ISO/IEC 17025:2005  
 Registration number: **L 005**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen (NAW-0132), pakket SG1 (samenstelling grond) (NAW-0132-3 &amp; NAW-0132-5) volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG1	MP-01642-NL AP04-V	DE
110.		Determination of the pH-CaCl <sub>2</sub> ; electrochemistry	MP-01637-NL AP04-SG-I and NEN-ISO 10390	DE
111.	Air-dried soil	Determination of the content of dry matter; gravimetric analysis	MP-01562-NL AP04-SG-II and NEN-EN 15934	DE
112.	Field-moist soil	Determination of the content of dry matter; gravimetric analysis	MP-01562-NL AP04-SG-II and NEN-EN 15934	DE
113.	Soil	Determination of the clay content; pipette method	MP-01726-NL AP04-SG-III and NEN 5753	DE
114.		Determination of the content of organic matter; gravimetric analysis	MP-01640-NL AP04-SG-IV and NEN 5754	DE
115.		Determination of the content of metals; ICP-AES copper, zinc, arsenic, lead, cadmium, nickel, chromium, antimony, barium, cobalt, molybdenum, tin, silver and vanadium	MP-01651-NL MP-01653-NL MP-01654-NL AP04-SG-V and NEN 6966 (digestion NEN 6961)	DE
116.		Determination of the content of non-volatile mercury; cold-vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL AP04-SG-VI and NEN-ISO 16772 (digestion NEN 6961)	DE
117.	Soil	Determination of the content of polycyclic aromatic hydrocarbons (PAH); HPLC-UV / fluorescence 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	MP-01678-NL MP-01680-NL AP04-SG-IX	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
118.	Soil	Determination of the content of polychlorinated biphenyls (PCB's); 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 seven PCB's	MP-01678-NL MP-01679-NL AP04-SG-X	DE
119.		Determination of the content of mineral oil; GC-FID	MP-01678-NL AP04-SG-XI	DE

**AP04-verrichtingen (NAW-0132), pakket SG2 (samenstelling grond) (NAW-0132-3)  
 volledig pakket**

--	Soil	Sample pretreatment for AP04-SG2	MP-01642-NL AP04-V	DE
120.		Determination of the content of organochlorine pesticides (OCP's); GC-ECD $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), delta-hexachlorocyclohexane ( $\delta$ -HCH), aldrin, dieldrin, endrin, sum of these three drins, o,p'-DDD, p,p'-DDD, sum of DDD's o,p'-DDE, p,p'-DDE, sum of DDE's, o,p'-DDT, p,p'-DDT, sum of DDT's, isodrin, telodrin, heptachlor, $\alpha$ -endosulphan, endosulphan sulphate, cis-heptachloro epoxide, trans-heptachloro epoxide, sum of heptachloro epoxide, cis-chlordane, trans-chlordane, sum of these two chlordanes and sum of organochlorine pesticides	MP-01834-NL AP04-SG-XIV	DE
121.	Soil	Determination of the content of chlorobenzenes; GC-MS hexachlorobutadiene	MP-01678-NL AP04-SG-XV	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
122.	Soil	Determination of the content of chlorobenzenes; GC-MS 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, sum of these three trichlorobenzenes, 1,2,3,4-tetrachlorobenzene, sum of (1,2,3,5-tetrachlorobenzene and 1,2,4,5-tetrachlorobenzene), sum of these three tetrachlorobenzenes, pentachlorobenzene and hexachlorobenzene	MP-01678-NL AP04-SG-XV	DE
<b>AP04-verrichtingen<sup>(NAW-0132)</sup>, pakket SG3 (samenstelling grond)<sup>(NAW-0132-3)</sup> volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG3	MP-01642-NL AP04-V	DE
123.		Determination of the content of volatile aromatic and volatile halogenated hydrocarbons, MTBE and ETBE; headspace GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethyl benzene, o-xylene, m/p-xylene, sum of these three xylenes, styrene, sum of volatile aromatic hydrocarbons volatile halogenated hydrocarbons: monochlorethylene (vinyl chloride), dichloromethane, trichloromethane, tetrachloromethane, trichloroethylene, tetrachloroethylene, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, 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, sum of these three dichloropropanes, methyl tert-butyl ether (MTBE) and ethyl tert-butyl ether (ETBE)	MP-01544-NL AP04-SG-VIII	DE
124.	Soil	Determination of the content of volatile chlorobenzenes; headspace GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of these three dichlorobenzenes	MP-01544-NL AP04-SG-XV	DE



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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen (NAW-0132), pakket SG4 (samenstelling grond) (NAW-0132-3) volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG4	MP-01642-NL AP04-V	DE
125.		Determination of the content of cyanides (free and total); spectrophotometry	MP-01667-NL AP04-SG-VII and NEN-EN-ISO 17380	DE
126.		Determination of the content of chloride; ionchromatography	MP-01661-NL AP04-SG-XII	DE
<b>AP04-verrichtingen (NAW-0132), pakket SG5 (samenstelling grond) (NAW-0132-3) volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG5	MP-01642-NL AP04-V	DE
127.		Determination of the content of aromatic hydrocarbons; headspace GC-MS 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-ethyltoluene, 3,4-ethyltoluene, isopropylbenzene, propylbenzene and the sum of aromatic hydrocarbons	MP-01544-NL AP04-SG-XVII	DE
128.	Soil	Determination of the content of chlorophenols; GC-MS 2-chlorophenol, 3-chlorophenol, 4-chlorophenol, sum monochlorophenols, 2,3-dichlorophenol, 2,4-dichlorophenol, 2,5-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, sum dichlorophenols, 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, sum trichlorophenols, 2,3,4,5-tetrachlorophenol, 2,3,4,6-tetrachlorophenol, 2,3,5,6-tetrachlorophenol, sum tetrachlorophenols, pentachlorophenol.	MP-01713-NL AP04-SG-XIII	DE
<b>AP04-verrichtingen (NAW-0132), pakket SG6 (samenstelling grond) (NAW-0132-3) volledig pakket</b>				

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
129.	Soil	Determination of the content of asbestos; stereo and polarization microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	MP-01711-NL MP-01790-NL MP-01710-NL AP04-SG-XVIII	DE
<b>AP04-verrichtingen (NAW-0132), pakket SG8 (samenstelling grond) (NAW-0132-3) volledig pakket</b>				
--	Soil	Sample pretreatment for AP04-SG8	MP-01642-NL AP04-V	DE
130.		Determination of the content of metals; ICP-AES selenium, beryllium, tellurium	MP-01651-NL MP-01653-NL MP-01654-NL AP04-SG-V and NEN 6966 (digestion NEN 6961)	DE
131.		Determination of the content of metals; ICP-AES thallium	MP-01651-NL MP-01653-NL MP-01654-NL AP04-SG-V	DE
<b>AP04-verrichtingen (NAW-0132), pakket SB1 (samenstelling bouwstoffen, niet zijnde grond) (NAW-0132-2 &amp; NAW-0132-5) volledig pakket</b>				
--	Building materials	Sample pretreatment for AP04-SB1	MP-01642-NL AP04-V	DE
132.	Field-moist building material	Determination of the content of dry matter; gravimetric analysis	MP-01562-NL AP04-SB-I	DE
133.	Air-dried building material	Determination of the content of dry matter; gravimetric analysis	MP-01562-NL AP04-SB-I	DE
134.	Building materials	Determination of the content of polycyclic aromatic hydrocarbons (PAH); HPLC-UV / fluorescence 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	MP-01678-NL MP-01680-NL AP04-SB-III	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
135.	Building materials	Determination of the content of polychlorinated biphenyls (PCB's); 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 seven PCB's	MP-01678-NL MP-01679-NL AP04-SB-IV	DE
136.		Determination of the content of mineral oil; GC-FID	MP-01678-NL AP04-SB-V	DE

**AP04-verrichtingen (NAW-0132), pakket SB3 (samenstelling bouwstoffen, niet zijnde grond) (NAW-0132-2) volledig pakket**

--	Building materials	Sample pretreatment for AP04-SB3	MP-01642-NL AP04-V	DE
137.	Building materials	Determination of the content of volatile aromatic hydrocarbons (BTEX); headspace GC-MS benzene, toluene, ethylbenzene, o-xylene, m/p-xylene, sum of these three xylenes, and styrene	MP-01544-NL AP04-SB-II	DE

**AP04-verrichtingen (NAW-0132), pakket SB5 (samenstelling bouwstoffen, niet zijnde grond) (NAW-0132-2 & NAW-0132-5) volledig pakket**

138.	Building materials	Determination of the content of asbestos; stereo and polarization microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	MP-01711-NL MP-01790-NL MP-01710-NL AP04-SB-VI	DE
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**AP04-verrichtingen (NAW-0132), pakket SB6 (samenstelling bouwstoffen, niet zijnde grond) (NAW-0132-2) volledig pakket**

139.	Building materials	Sample pretreatment for AP04-SB6	MP-01642-NL AP04-V	DE
140.		Determination of the content of phenol; GC-MS	MP-01713-NL AP04-SB-XIII	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AP04-verrichtingen (NAW-0132), pakket U1 (uitloogonderzoek; grond, niet-vormgegeven en vormgegeven bouwstoffen; niet diffusiebepaalde uitlooging) (NAW-0132-1, NAW-0132-4 &amp; NAW-0132-5) volledig pakket</b>				
--	Soil and building materials	Sample pretreatment for AP04-U1	MP-01642-NL AP04-V	DE
g		Determination of the emission of inorganic components with the column test	MP-01645-NL AP04-U-I and NEN 7383	DE
141.	Eluates	Determination of the pH; electrochemistry	MP-01638-NL AP04-U-IV and NEN-EN-ISO 10523	DE
142.		Determination of the conductivity; conductometry	MP-01638-NL AP04-U-V and NEN-ISO 7888	DE
143.	Eluates	Determination of the content of metals; ICP-MS lead, cadmium, zinc, nickel, arsenic, chromium, copper, barium, cobalt, selenium and vanadium	MP-01651-NL MP-01673-NL MP-01654-NL AP04-E-I, -II, -III, -IV, -V, -VI, -VII, -X, -XII, -XIV and -XV and NEN-EN-ISO 17294-2 (2004)	DE
144.		Determination of the content of metals; ICP-MS molybdenum, tin and antimony	MP-01651-NL MP-01673-NL MP-01654-NL AP04-E-IX, -XI and -XIII	DE
145.		Determination of the content of mercury; cold-vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL AP04-E-VIII and NEN-EN-ISO 12846	DE
146.		Determination of the content of cyanides (free and complex); spectrophotometry	MP-01667-NL AP04-E-XVI and NEN-EN-ISO 14403	DE
147.		Determination of the content of bromide, chloride and sulphate; ion chromatography	MP-01661-NL AP04-E-XVII and NEN-EN-ISO 10304-1	DE
148.		Determination of the content of fluoride; ionselective electrode	MP-01758-NL AP04-E-XVIII and NEN 6578	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000 (NAW-0133); protocol 3010 (NAW-0133-2); (Laboratoriumanalyses voor grond-, waterbodemb- en grondwateronderzoek; grond standaardpakket) volledig pakket</b>				
--	Soil	Sample pretreatment for package 3010	MP-01558-NL AS3000 and NEN-EN 16179	DE
149.		Determination of the pH-CaCl <sub>2</sub> ; electrochemistry	MP-01637-NL performance sheet 3010-1 and NEN-ISO 10390	DE
150.	Soil	Determination of the content of dry matter; gravimetric analysis	MP-01562-NL performance sheet 3010-2 and NEN-EN 15934	DE
151.		Determination of the content of organic matter; gravimetric analysis	MP-01640-NL performance sheet 3010-3 and NEN 5754	DE
152.		Determination of the clay content; sedigraph method	MP-01658-NL performance sheet 3010-4	DE
153.		Determination of the content of metals; ICP-AES barium, cadmium, cobalt, copper, lead, molybdenum, nickel and zinc	MP-01651-NL MP-01653-NL MP-01654-NL performance sheet 3010-5	DE
154.		Determination of the content of non-volatile mercury; cold-vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL performance sheet 3010-5	DE
155.		Determination of the content of polycyclic aromatic hydrocarbons (PAH); HPLC-UV / fluorescence 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	MP-01678-NL MP-01680-NL performance sheet 3010-6	DE
156.		Determination of the content of mineral oil; GC-FID	MP-01678-NL performance sheet 3010-7	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
157.	Soil	Determination of the content of polychlorinated biphenyls (PCB's); 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 seven PCB's	MP-01678-NL MP-01679-NL performance sheer 3010-8	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3020 (NAW-0133-2) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend I) volledig pakket</b>				
--	Soil	Sample pretreatment for package 3020	MP-01558-NL AS3000 and NEN-EN 16179	DE
158.		Determination of the content of organochlorine pesticides (OCP's); GC-MS 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, $\alpha$ -endosulphan, isodrin, telodrin, cis-heptachloro epoxide, trans-heptachloro epoxide, sum of these two heptachloro epoxides, cis-chlordane, trans-chlordane, sum of these two chlordanes, sum of organochlorine pesticides, hexachlorobutadiene	MP-01678-NL MP-01545-NL performance sheet 3020-1	DE
159.		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, 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	MP-01678-NL MP-01545-NL performance sheet 3020-2	DE

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2005  
 Registration number: **L 005**

of **AL-West B.V.**

This annex is valid from: **20-08-2020 to 01-06-2021**

Replaces annex dated: **10-07-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
160.	Soil	Determination of the content of organochlorine pesticides (OCP's); GC-MS δ-hexachlorocyclohexane (δ-HCH) and endosulphan sulphate	MP-01678-NL MP-01545-NL performance sheet 3020-3	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3030 (NAW-0133-2) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend II) volledig pakket</b>				
--	Soil	Sample pretreatment for package 3030	MP-01558-NL AS3000 and NEN-EN 16179	DE
161.		Determination of the content of volatile aromatic, volatile halogenated hydrocarbons, MTBE and ETBE; headspace GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethyl benzene, o-xylene, m/p-xylene, sum of these three xylenes, styrene, sum of aromatic hydrocarbons, naphthalene volatile halogenated hydrocarbons: monochloroethylene (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, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane, sum of these three chloropropanes, tribromomethane, other volatile compounds: methyl tert-butyl ether (MTBE) and ethyl tert-butyl ether (ETBE)	MP-01544-NL performance sheet 3030-1	DE
162.		Determination of the content of monochlorobenzene and dichlorobenzenes; headspace GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of these three dichlorobenzenes	MP-01544-NL performance sheet 3030-2	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
163.	Soil	Determination of the content of other aromatic hydrocarbons; headspace GC-MS 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-ethyltoluene, 3,4-ethyltoluene, isopropylbenzene, propylbenzene and the sum of aromatic hydrocarbons	MP-01544-NL performance sheet 3030-3	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3040 (NAW-0133-2) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend III) volledig pakket</b>				
--	Soil	Sample pretreatment for package 3040	MP-01558-NL AS3000 and NEN-EN 16179	DE
164.		Determination of the content of cyanides (free, total and complex); spectrophotometry	MP-01667-NL performance sheet 3040-1 and NEN-EN-ISO 17380	DE
165.		Determination of the content of chloride; ion chromatography	MP-01672-NL performance sheet 3040-2	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3050 (NAW-0133-2) Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend IV) volledig pakket</b>				
--	Soil	Sample pretreatment for package 3050	MP-01558-NL AS3000 and NEN-EN 16179	DE
166.		Determination of the content of metals; ICP-AES antimony, arsenic, chromium, tin, vanadium, beryllium, tellurium, thallium and silver	MP-01651-NL MP-01653-NL MP-01654-NL performance sheet 3050-1 and 2	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3070 (NAW-0133-2) (Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; grond aanvullend V) volledig pakket</b>				
167.	Soil	Determination of the content of asbestos; stereo and polarization microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	MP-01711-NL MP-01790-NL MP-01710-NL performance sheet 3070-1	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3110 (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater standaardpakket) volledig pakket</b>				



## Annex to declaration of accreditation (scope of accreditation)

Normative document: EN ISO/IEC 17025:2005

Registration number: **L 005**of **AL-West B.V.**This annex is valid from: **20-08-2020 to 01-06-2021**Replaces annex dated: **10-07-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
168.	Groundwater	Determination of the pH; electrochemistry	MP-01638-NL performance sheet 3110-1 and NEN-EN-ISO 10523	DE
169.		Determination of the electrical conductivity; conductometry	MP-01638-NL performance sheet 3110-2 and NEN-ISO 7888	DE
170.		Determination of the content of metals; ICP-MS barium, cadmium, cobalt, copper, lead, molybdenum, nickel and zinc	MP-01651-NL MP-01673-NL MP-01654-NL performance sheet 3110-3 and NEN-EN-ISO 17294-2 (2004)	DE
171.		Determination of the content of non-volatile mercury; cold-vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL performance sheet 3110-3 and NEN-EN-ISO 12846	DE
172.		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	MP-01677-NL performance sheet 3110-4	DE
173.		Determination of the content of mineral oil; GC-FID	MP-01675-NL performance sheet 3110-5	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000 (NAW-0133); protocol 3120 (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend I); volledig pakket</b>				
174.	Groundwater	Determination of the content of polychlorinated biphenyls (PCB's) and organochlorine pesticides (OCP's); 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 7 PCB's, α-hexachlorocyclohexane (α-HCH), β-hexachlorocyclohexane (β-HCH), γ-hexachlorocyclohexane (γ-HCH), δ-hexachlorocyclohexane δ-HCH ,sum of these four HCH's, aldrin, dieldrin, endrin, sum of these three "drin's, o,p'-DDD, p,p'-DDD, o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, sum of these six DD's, heptachlor, α-endosulphan, cis-heptachloro epoxide, trans-heptachloro epoxide, sum of these two heptachloro epoxide, cis-chlordane, trans-chlordane and sum of these two chlordane	MP-01545-NL MP-01677-NL performance sheet 3120-1	DE
175.		Determination of the content of tri- and tetrachlorobenzenes, penta- and hexachlorobenzene; GC-MS 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	MP-01545-NL performance sheet 3120-2	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000 (NAW-0133); protocol 3130 (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend II); volledig pakket</b>				
176.	Groundwater	Determination of the content of volatile aromatic, volatile halogenated hydrocarbons, MTBE and ETBE; headspace GC-MS volatile aromatic hydrocarbons: benzene, toluene, ethyl benzene, o-xylene, m/p-xylene, sum of these three xylenes, styrene, naphthalene volatile halogenated hydrocarbons: monochloroethylene (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, 1,1-dichloropropane, 1,2-dichloropropane, 1,3-dichloropropane, sum of these dichloropropanes, tribromomethane other volatile compounds: methyl tert-butyl ether (MTBE) and ethyl tert-butyl ether (ETBE)	MP-01544-NL performance sheet 3130-1	DE
177.		Determination of the content of monchlorobenzene and dichlorobenzenes; headspace GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of these three dichlorobenzenes	MP-01544-NL performance sheet 3130-2	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3140 (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend III); volledig pakket</b>				
178.	Groundwater	Determination of the content of cyanides (free, total and complex); spectrometry	MP-01667-NL performance sheet 3140-1 and NEN-EN-ISO 14403-2	DE
179.		Determination of the content of anions; discrete analysis and spectrometry chloride, nitrate, orthophosphate and sulphate	MP-01672-NL performance sheet 3140-2	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000 (NAW-0133); protocol 3150 (NAW-0133-3) (Laboratoriumanalyses voor grond-, waterbodem- en grondwateronderzoek; grondwater aanvullend IV); volledig pakket</b>				
180.	Groundwater	Determination of the content of metals; digestion and ICP-MS silver	MP-01651-NL MP-01673-NL MP-01654-NL performance sheet 3150-2	DE
181.		Determination of the content of metals; ICP-MS antimony, arsenic, chromium, tin, vanadium, beryllium, tellurium and thallium	MP-01651-NL MP-01673-NL MP-01654-NL performance sheet 3150-1 and 2 and NEN-EN-ISO17294-2 (2004)	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3210 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem standaard pakket) volledig pakket</b>				
--	Sedimentt	Sample pretreatment for package 3210	MP-01558-NL AS3000 and NEN 5719	DE
182.		Determination of the content of dry matter; gravimetric analysis	MP-01562-NL performance sheet 3210-1 and NEN-EN 15934	DE
183.		Determination of the content of organic matter; gravimetric analysis	MP-01640-NL performance sheet 3210-2 and NEN 5754	DE
184.		Particle size determination; sedigraph method <2 µm (clay)	MP-01658-NL performance sheet 3210-3	DE
185.		Determination of the content of metals; ICP-AES barium, cadmium, cobalt, copper, lead, molybdenum, nickel and zinc	MP-01651-NL MP-01653-NL MP-01654-NL performance sheet 3210-4	DE
186.		Determination of the content of non-volatile mercury; cold-vapour AAS	MP-01651-NL MP-01655-NL MP-01654-NL performance sheet 3210-4	DE

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
187.	Sedimentt	Determination of the content of polycyclic aromatic hydrocarbons (PAH); HPLC-UV / fluorescence 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	MP-01680-NL performance sheet 3210-5	DE
188.		Determination of the content of mineral oil; GC-FID	MP-01678-NL performance sheet 3210-6	DE
189.		Determination of the content of polychlorinated biphenyls (PCB's); 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 7 PCB's	MP-01679-NL MP-01678-NL performance sheet 3210-7	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3220 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodem- en grondwateronderzoek; waterbodem aanvullend I) volledig pakket</b>				
--	Sediment	Sample pretreatment for package 3220	MP-01558-NL AS3000 and NEN 5719	DE

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Replaces annex dated: **10-07-2019**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
190.	Sediment	Determination of the content of organochlorine pesticides (OCP's); GC-MS $\alpha$ -hexachlorocyclohexane ( $\alpha$ -HCH), $\beta$ -hexachlorocyclohexane ( $\beta$ -HCH), $\gamma$ -hexachlorocyclohexane ( $\gamma$ -HCH), sum of these three HCH's, aldrin, dieldrin, endrin, sum of these three "drin's", isodrin, telodrin, o,p'-DDD, p,p'-DDD, sum of these two DDD's, o,p'-DDE, p,p'-DDE, sum of these two DDE's, p,p'-DDT, o,p'-DDT, sum of these two DDT's, sum of these six DD's, heptachlor, $\alpha$ -endosulphan, cis-heptachloro epoxide, trans-heptachloro epoxide, sum of these two heptachloro epoxides, cis-chlordane, trans-chlordane and the sum of these two chlordanes, $\delta$ -HCH, sum HCHs, endosulphansulphate	MP-01834-NL performance sheet 3220-1 and 3220-2	DE
191.		Determination of the content of organochlorine pesticides (OCP's); GC-MS hexachlorobutadiene, pentachlorobenzene, hexachlorobenzene (HCB)	MP-01545-NL performance sheet 3220-1	DE

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

--	Sediment	Sample pretreatment for package 3230	MP-01558-NL AS3000 and NEN 5719	DE
192.		Determination of the content of monochlorobenzene and dichlorobenzenes; headspace GC-MS monochlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and sum of these three dichlorobenzenes	MP-01544-NL performance sheet 3230-1	DE
193.		Determination of the content of tri- and tetrachlorobenzenes; GC-MS 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 tetrachlorobenzenes, sum chlorobenzenes	MP-01545-NL performance sheet 3230-2	DE

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2005  
 Registration number: **L 005**

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
<b>AS SIKB 3000 (NAW-0133); protocol 3240 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodemb- en grondwateronderzoek; waterbodemb aanvullend III) volledig pakket</b>				
--	Sediment	Sample pretreatment for package 3240	MP-01558-NL AS3000 and NEN 5719	DE
194.		Determination of the content of cyanides (free, total and complex); spectrometry	MP-01667-NL performance sheet 3240-1 and NEN-EN-ISO 17380	DE
195.		Determination of the content of chloride; discrete analyses and spectrometry	MP-01672-NL performance sheet 3240-2	DE
196.		Determination of the pH-H <sub>2</sub> O; electrochemistry	MP-01637-NL performance sheet 3240-3 and NEN-ISO 10390	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3250 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodemb- en grondwateronderzoek; waterbodemb aanvullend IV) volledig pakket</b>				
--	Sediment	Sample pretreatment for AS3250	MP-01558-NL AS3000 and NEN 5719	DE
197.		Determination of the content of metals; ICP-AES antimony, arsenic, chromium, tin and vanadium	MP-01651-NL MP-01653-NL MP-01654-NL performance sheet 3250-1	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3260 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodemb- en grondwateronderzoek; waterbodemb aanvullend V) volledig pakket</b>				
--	Sediment	Sample pretreatment for AS3260	MP-01558-NL AS3000 and NEN 5719	DE
198.		Determination of the content of pentachlorophenol; GC-MS	MP-01861-NL performance sheet 3260-1	DE
199.	Sediment	Determination of the content of organotin compounds; GC-MS tributyltin compounds, triphenyltin compounds, sum organotin compounds	MP-01852-NL performance sheet 3260-2	DE
<b>AS SIKB 3000 (NAW-0133); protocol 3270 (NAW-0133-4) (Laboratorium analyses voor grond-, waterbodemb- en grondwateronderzoek; waterbodemb aanvullend VI) volledig pakket</b>				

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No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
200.	Sediment	Determination of the content of asbestos; stereo- and polarization microscopy chrysotile, crocidolite, amosite, fibrous anthophyllite, fibrous actinolite, fibrous tremolite	MP-01711-NL MP-01790-NL MP-01710-NL performance sheet 3270-1	DE
<b>Flexible scope<sup>2</sup></b>				
201.	Soil materials, water**, building materials, rubble,	Determination of the content of metals; ICP-AES	MA-00643-NL	DE
202.	gas absorbing materials, air filter, sludge, sediment and waste	Determination of the content of metals; ICP-MS	MA-00643-NL	DE
203.	Soil materials, water**, building materials	Determination of the content of organic environmental contaminants; GC-MS	MA-00643-NL	DE
204.	(including asphalt), rubble, gas absorbing materials, air filter, sludge, sediment and waste	Determination of the content of organic environmental contaminants; HS-GC-MS	MA-00643-NL	DE

\* By water is meant: surface water, waste water and groundwater.

\*\* By water is meant: surface water, waste water, groundwater, leaching water, influent and effluent.

<sup>2</sup> This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope.