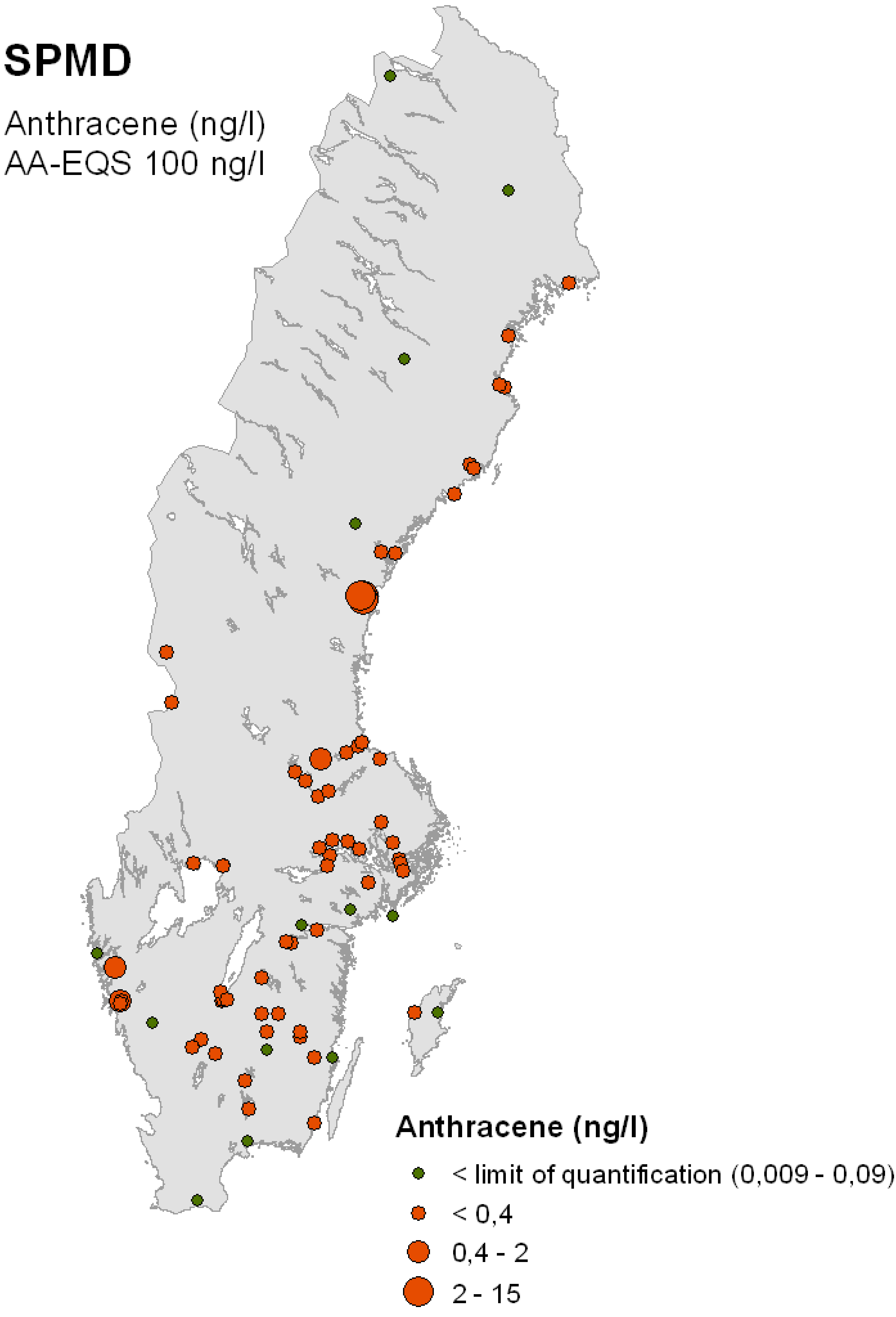
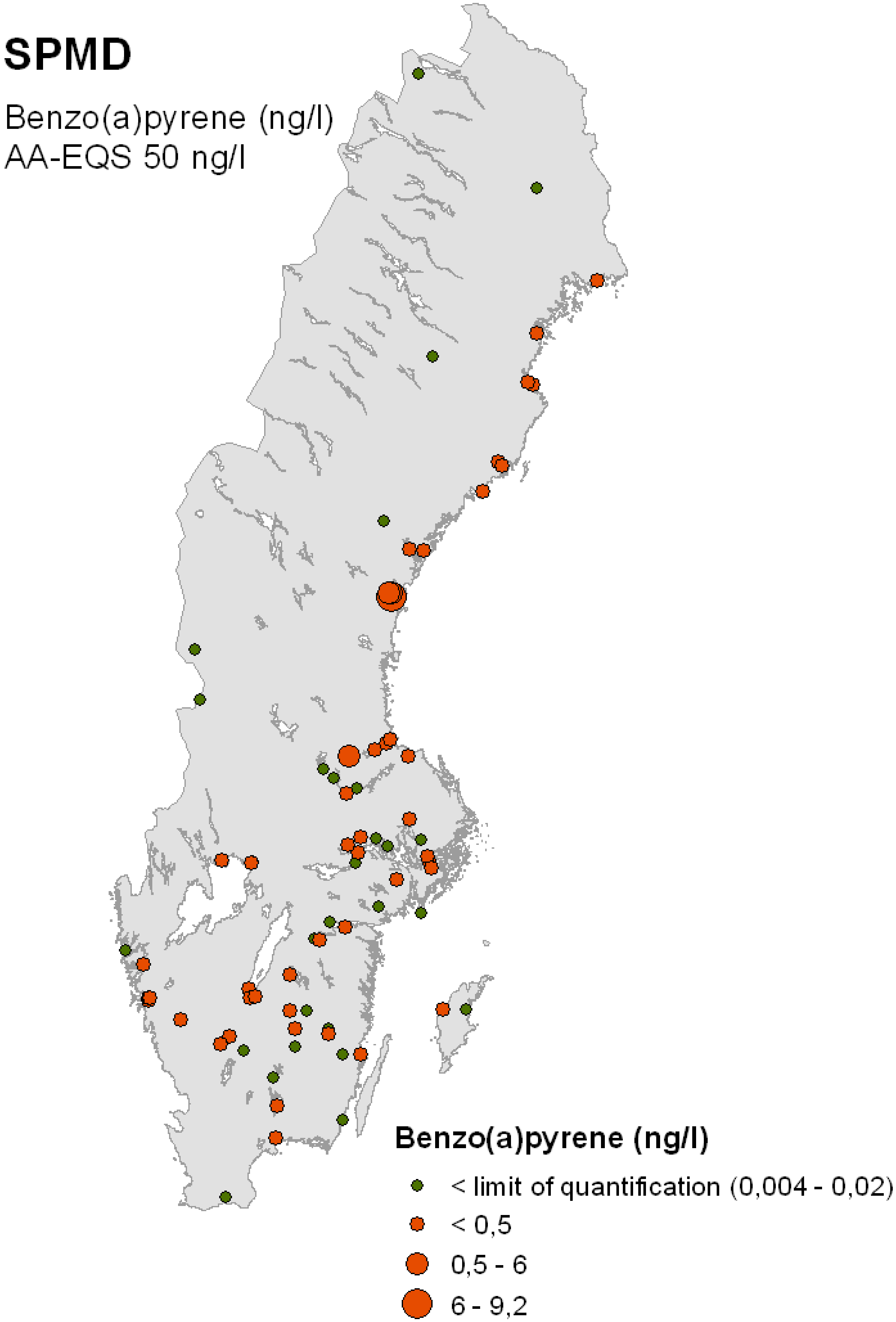
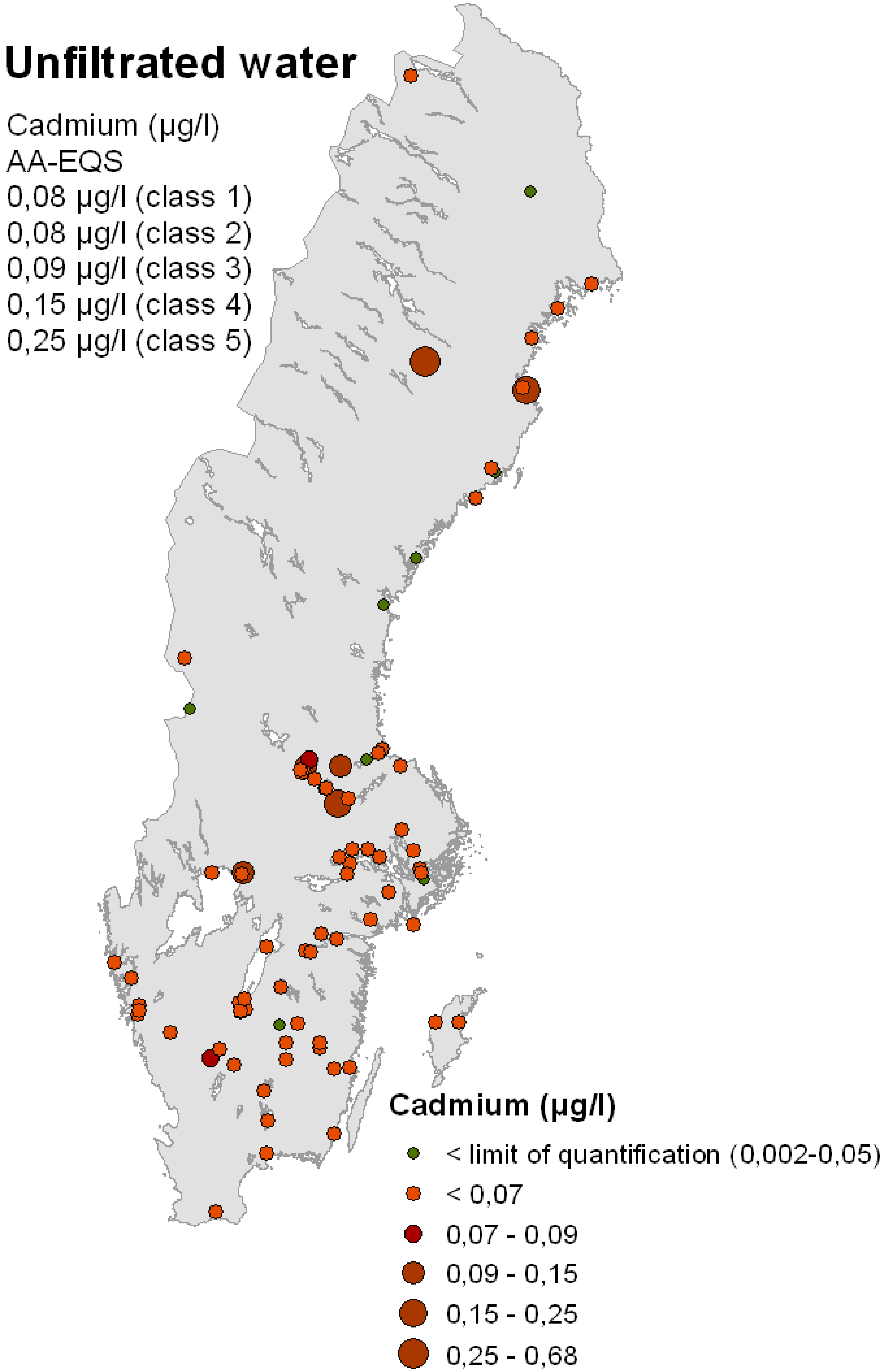
SWECO VIAK Screening Report 2007:1

Appendix 2

Concentration Maps of Priority Substances in Sweden

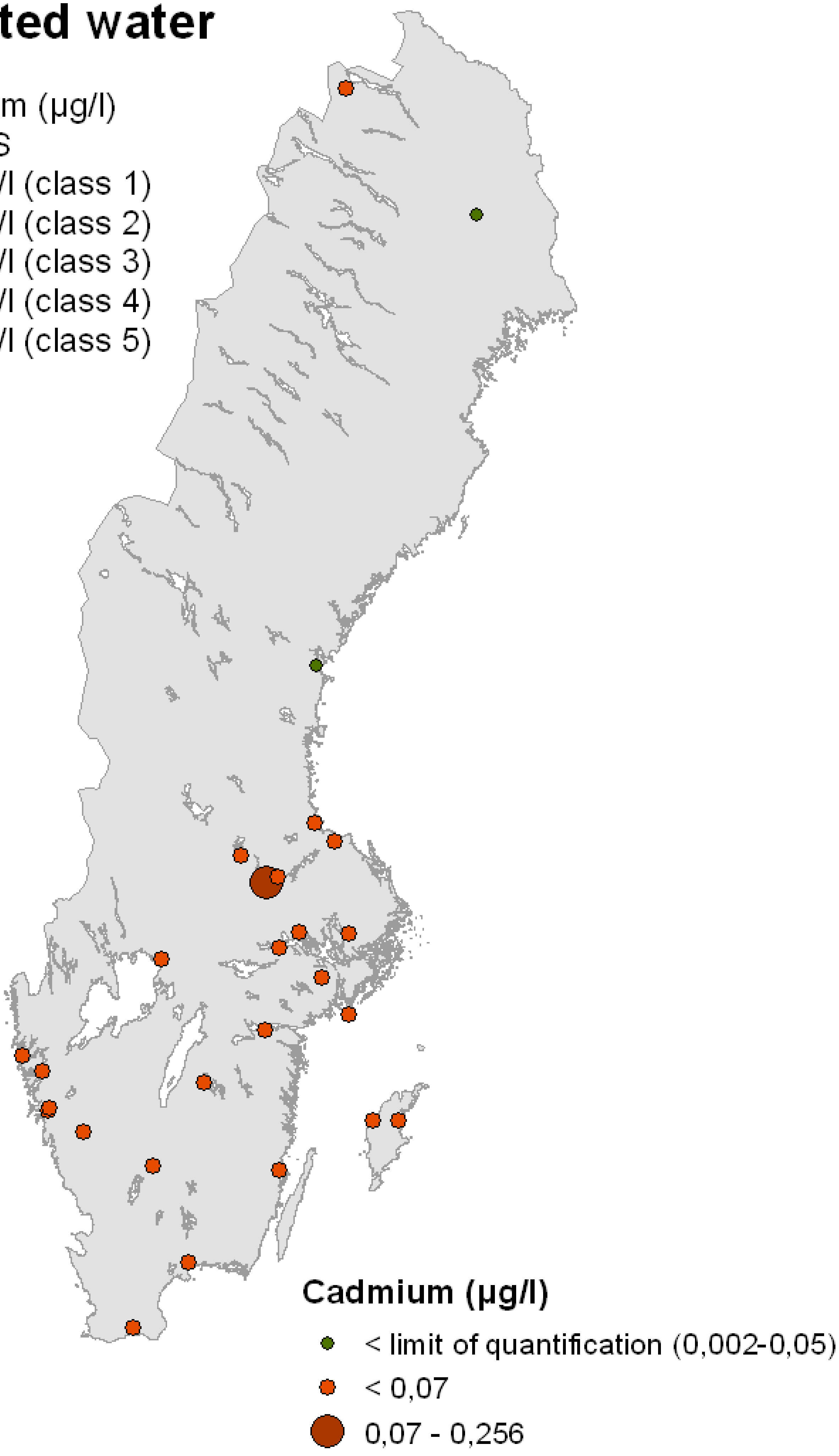

SPMD
Anthracene (ng/l)
AA-EQS 100 ng/l
Anthracene (ng/l)
< limit of quantification (0,009 - 0,09)
< 0,4
0,4 - 2
2 - 15


SPMD
Benzo(a)pyrene (ng/l)
AA-EQS 50 ng/l
Benzo(a)pyrene (ng/l)
< limit of quantification (0,004 - 0,02)
< 0,5
0,5 - 6
6 - 9,2


Unfiltrated water
Cadmium (µg/l)
AA-EQS
0,08 µg/l (class 1)
0,08 µg/l (class 2)
0,09 µg/l (class 3)
0,15 µg/l (class 4)
0,25 µg/l (class 5)
Cadmium (µg/l)
< limit of quantification (0,002-0,05)
< 0,07
0,07 - 0,09
0,09 - 0,15
0,15 - 0,25
0,25 - 0,68

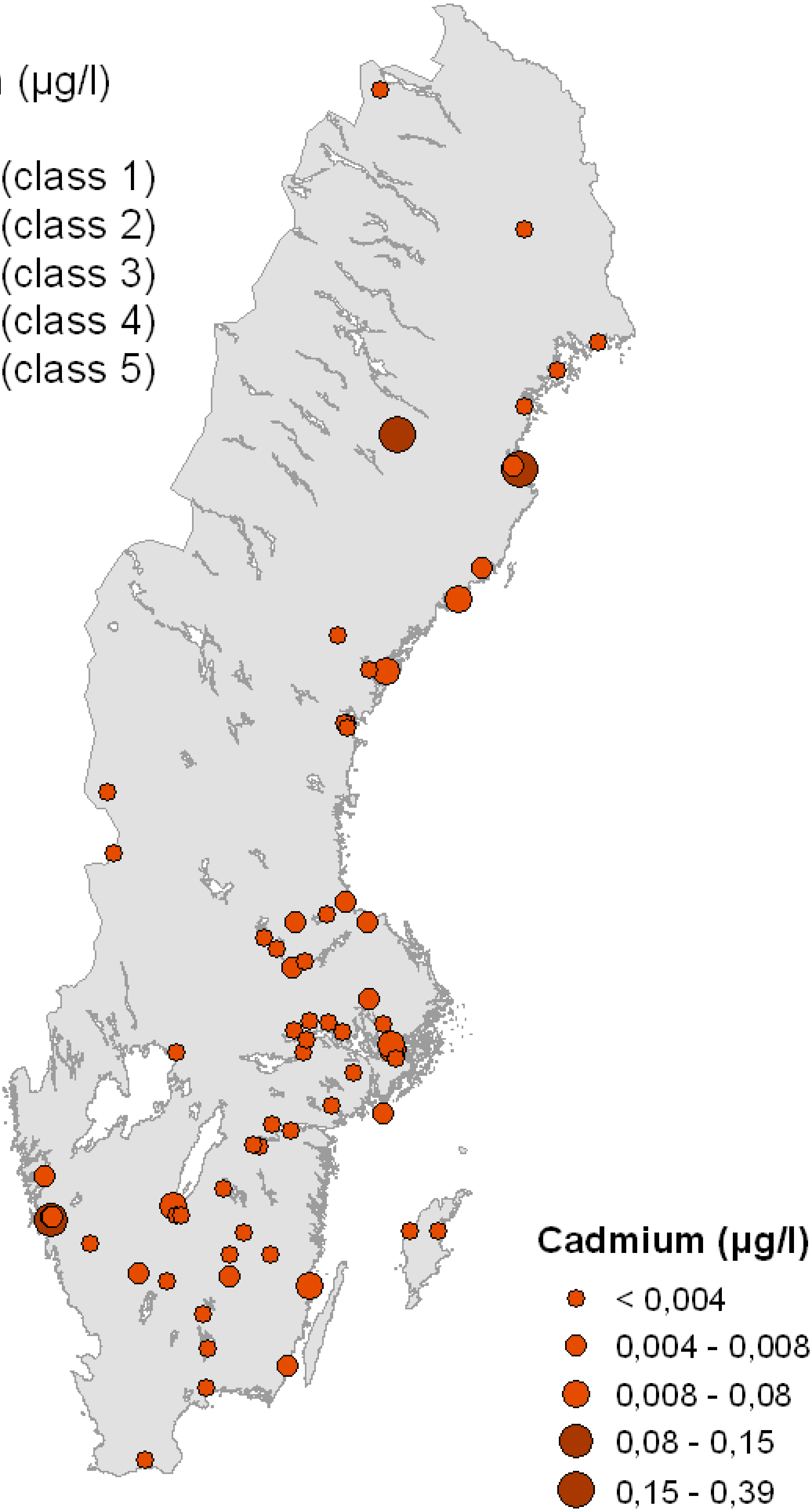
Filtrated water

Cadmium (µg/l)
AA-EQS
0,08 µg/l (class 1)
0,08 µg/l (class 2)
0,09 µg/l (class 3)
0,15 µg/l (class 4)
0,25 µg/l (class 5)



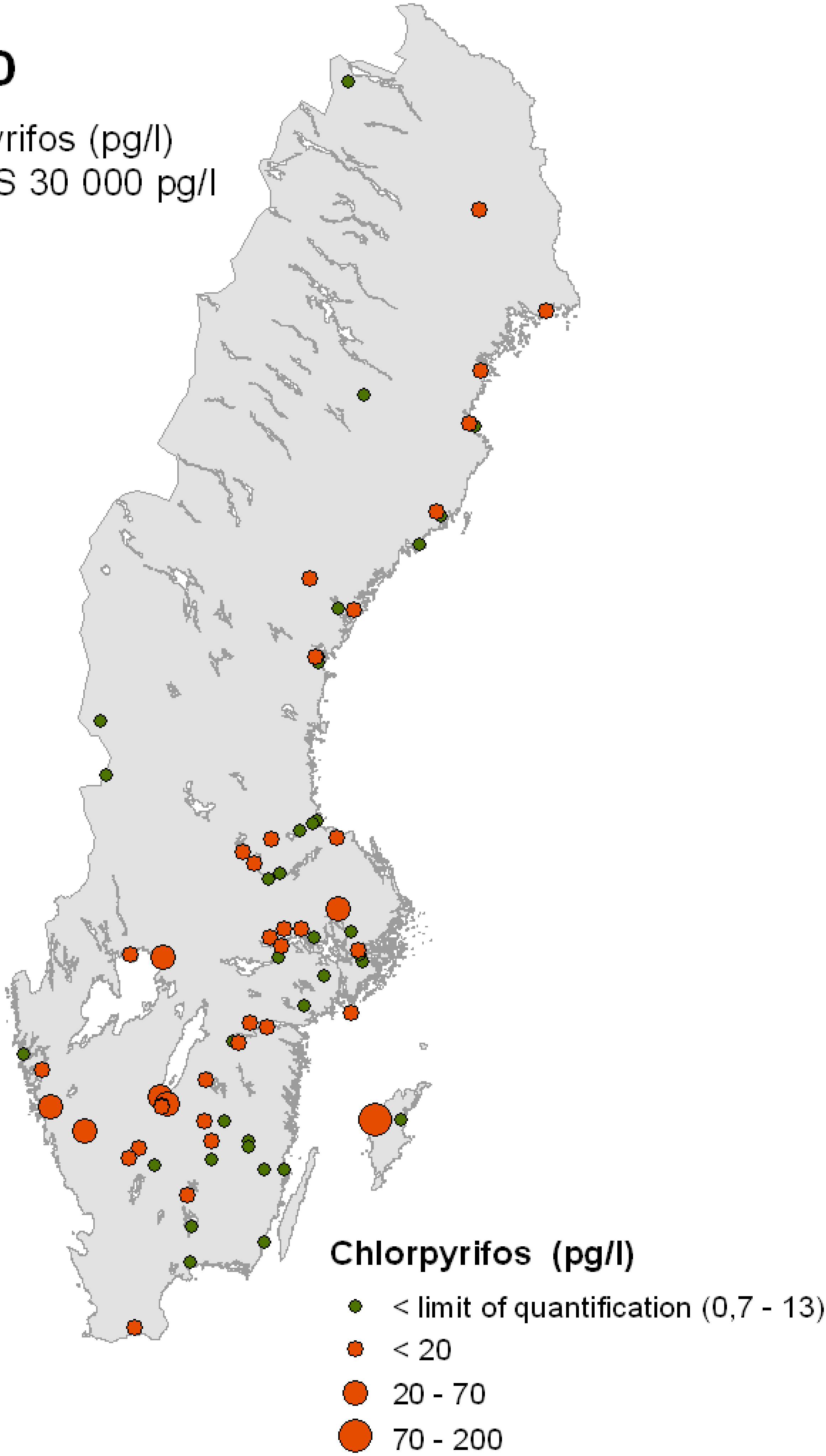
DGT

Cadmium (µg/l)
AA-EQS
0,08 µg/l (class 1)
0,08 µg/l (class 2)
0,09 µg/l (class 3)
0,15 µg/l (class 4)
0,25 µg/l (class 5)



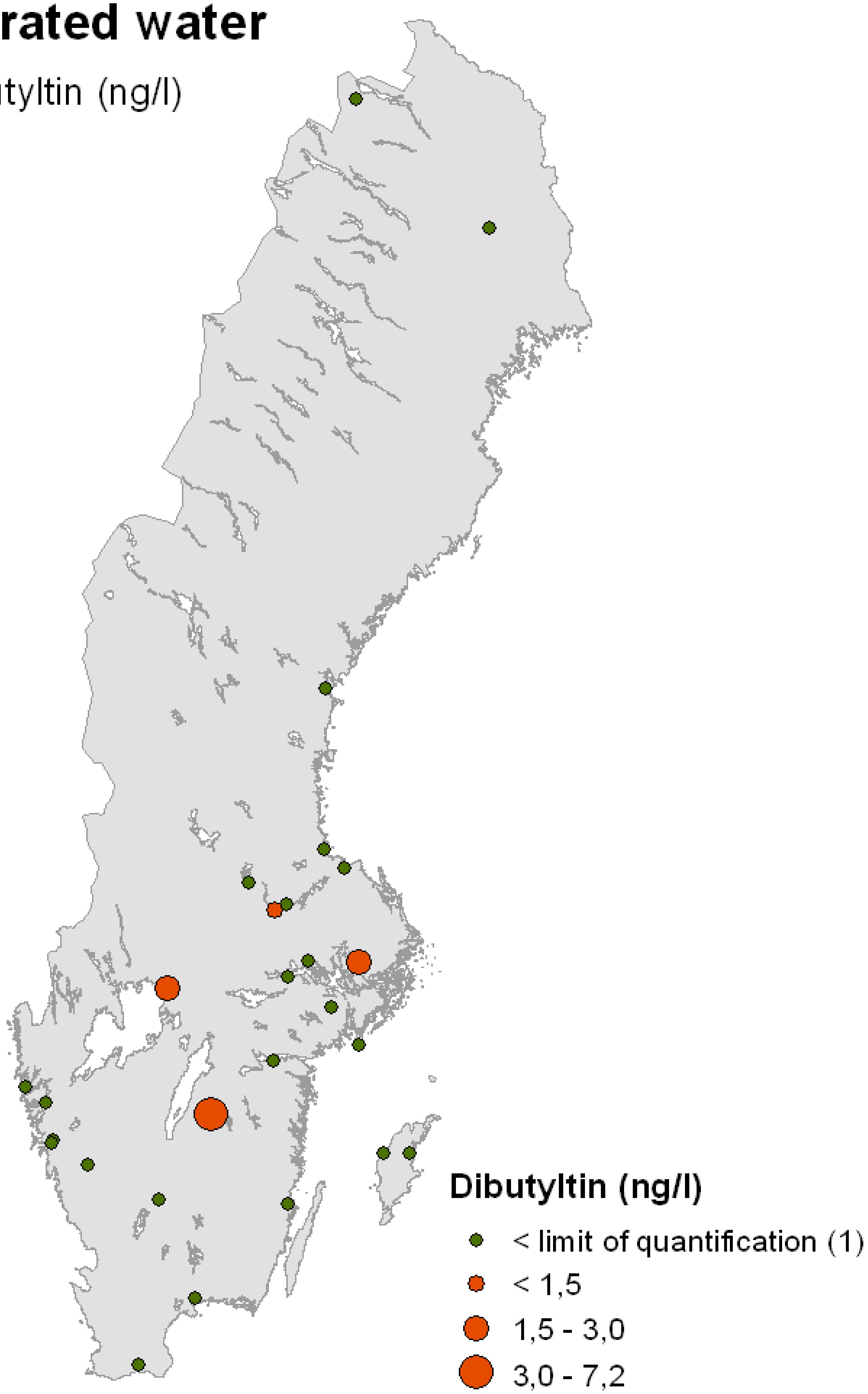
SPMD

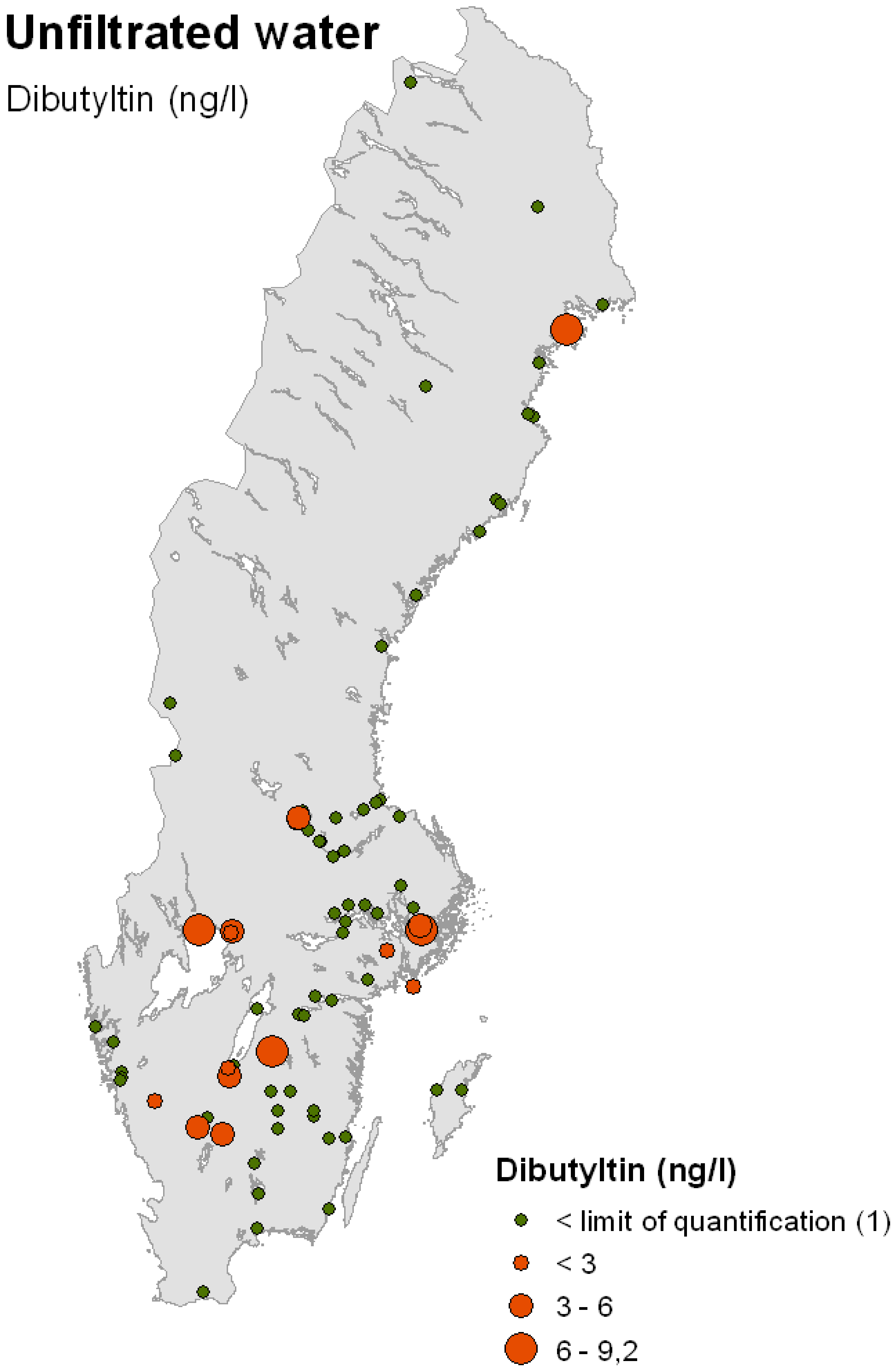
Chlorpyrifos (pg/l)
AA-EQS 30 000 pg/l

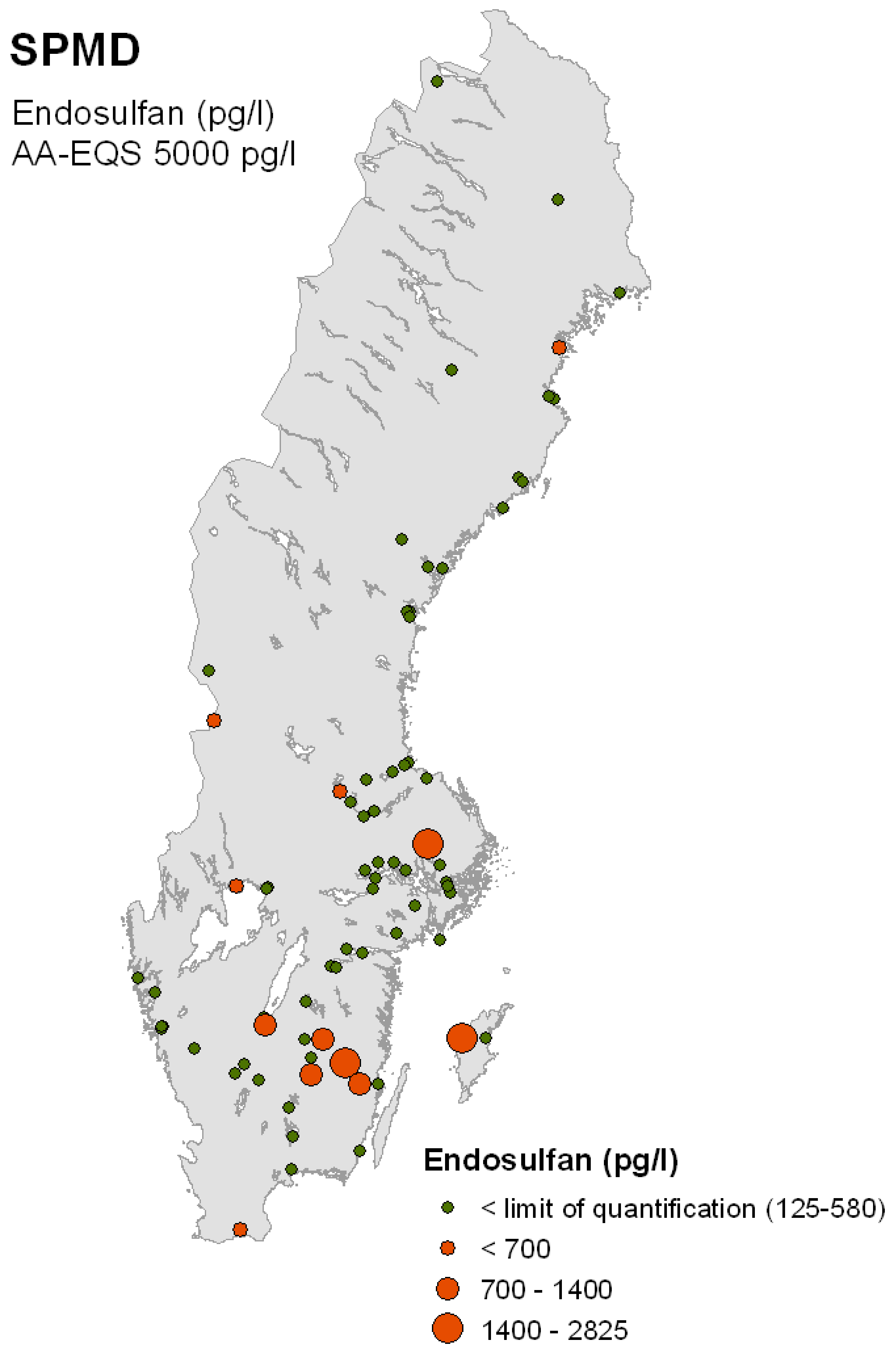


Filtrated water

Dibutyltin (ng/l)

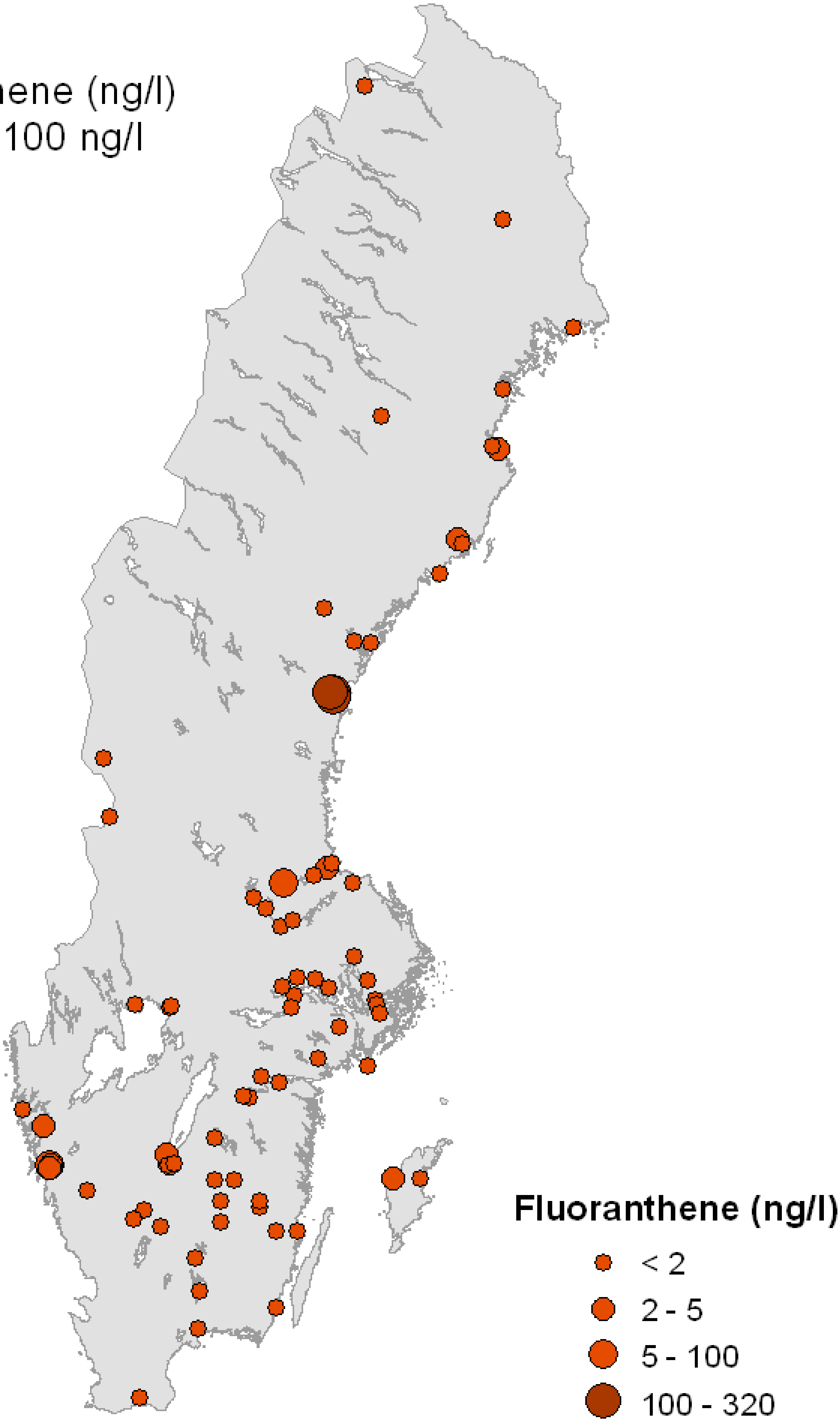



Unfiltrated water
Dibutyltin (ng/l)
Dibutyltin (ng/l)
< limit of quantification (1)
< 3
3 - 6
6 - 9,2


SPMD
Endosulfan (pg/l)
AA-EQS 5000 pg/l
Endosulfan (pg/l)
< limit of quantification (125-580)
< 700
700 - 1400
1400 - 2825

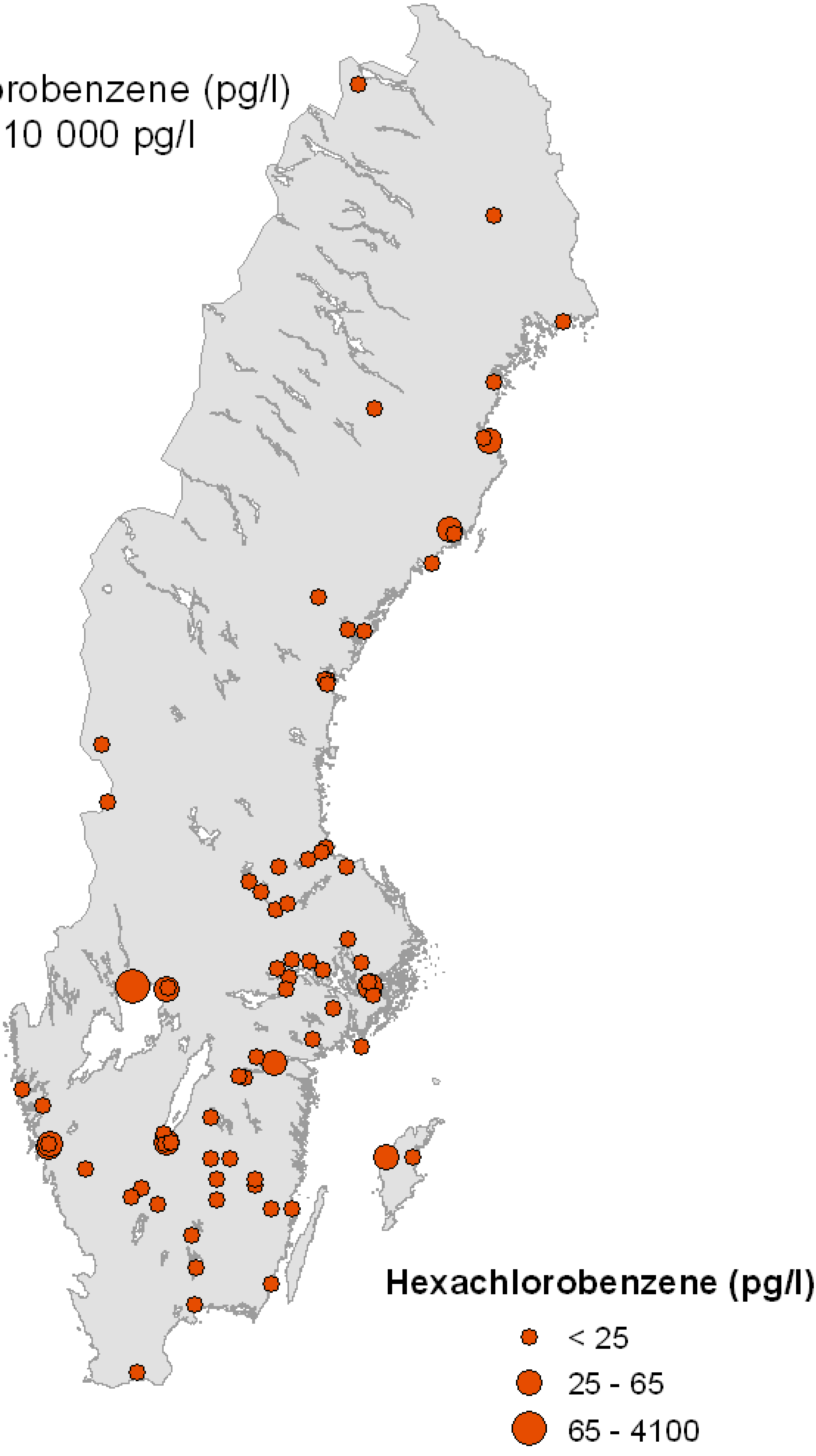
SPMD

Fluoranthene (ng/l)
AA-EQS 100 ng/l



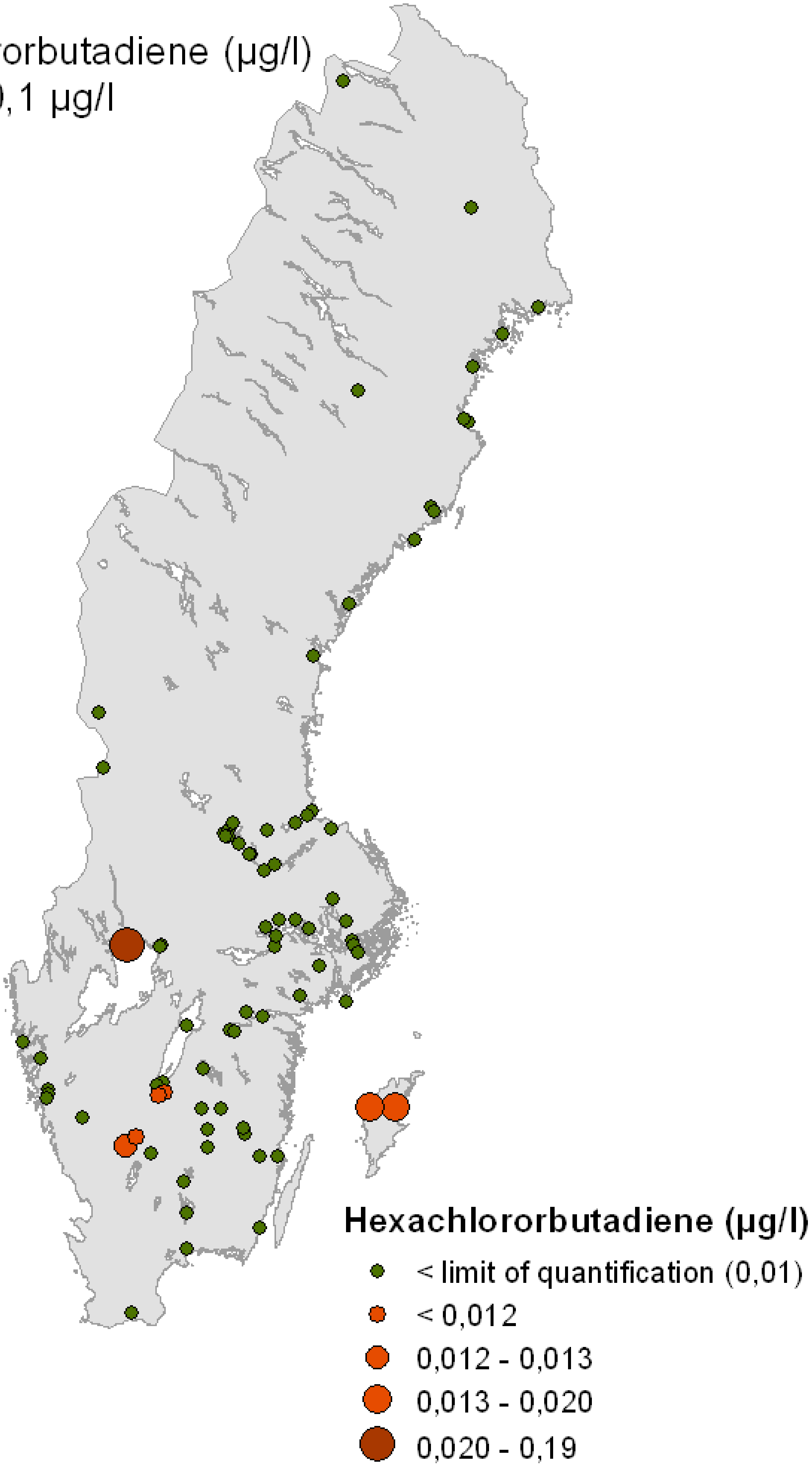
SPMD

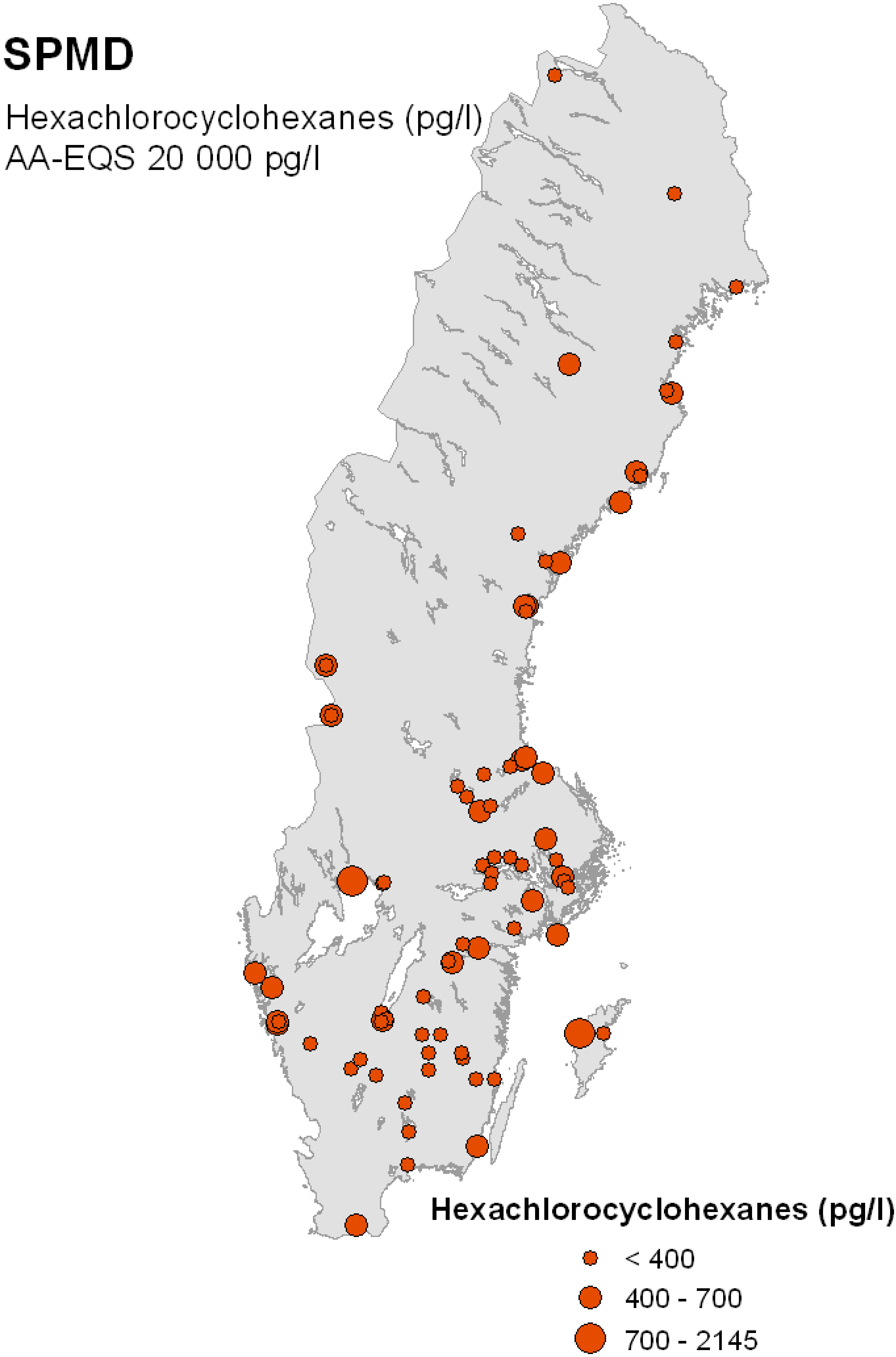
Hexachlorobenzene (pg/l)
AA-EQS 10 000 pg/l

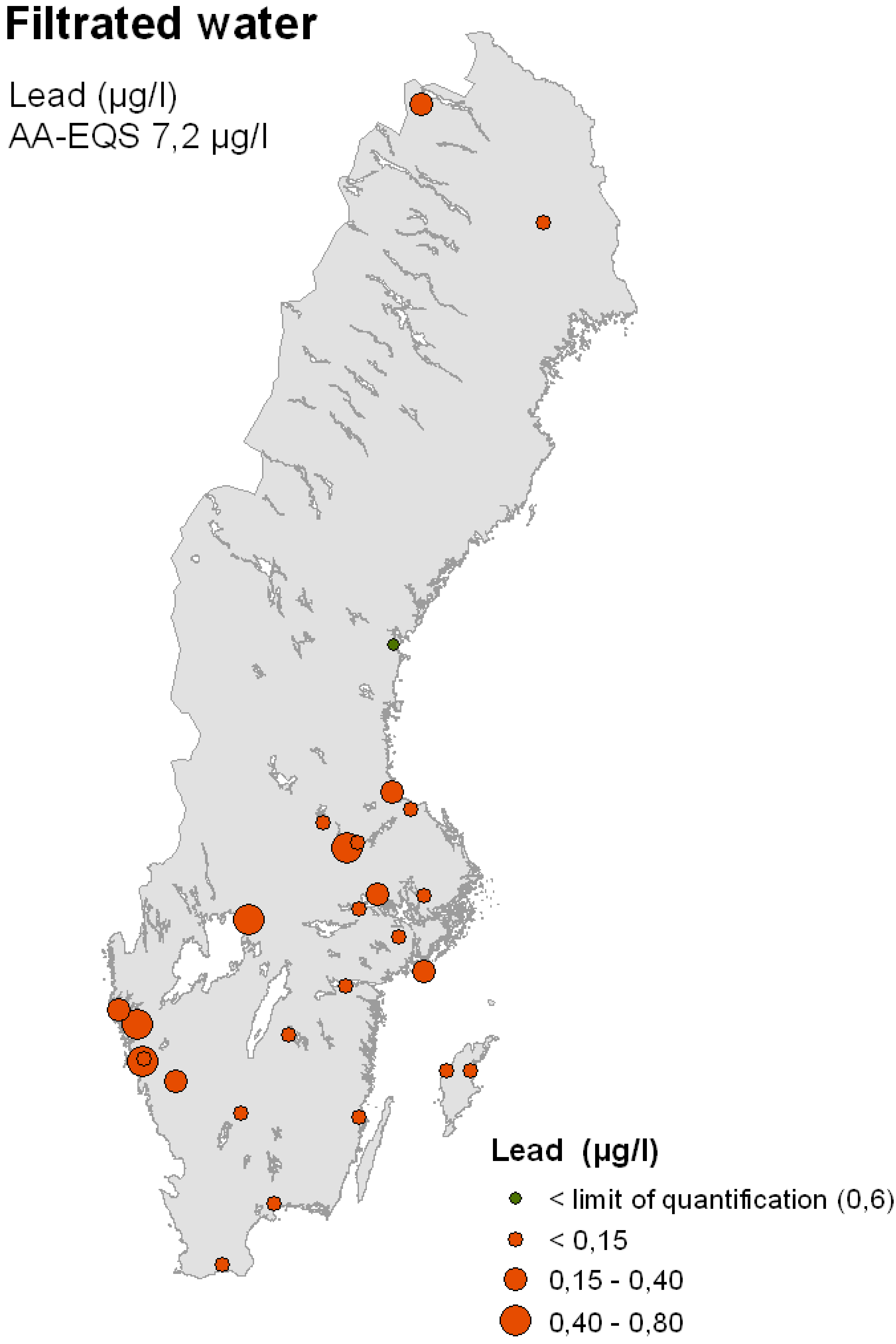


Unfiltrated water

Hexachlororbutadiene (µg/l)
AA-EQS 0,1 µg/l

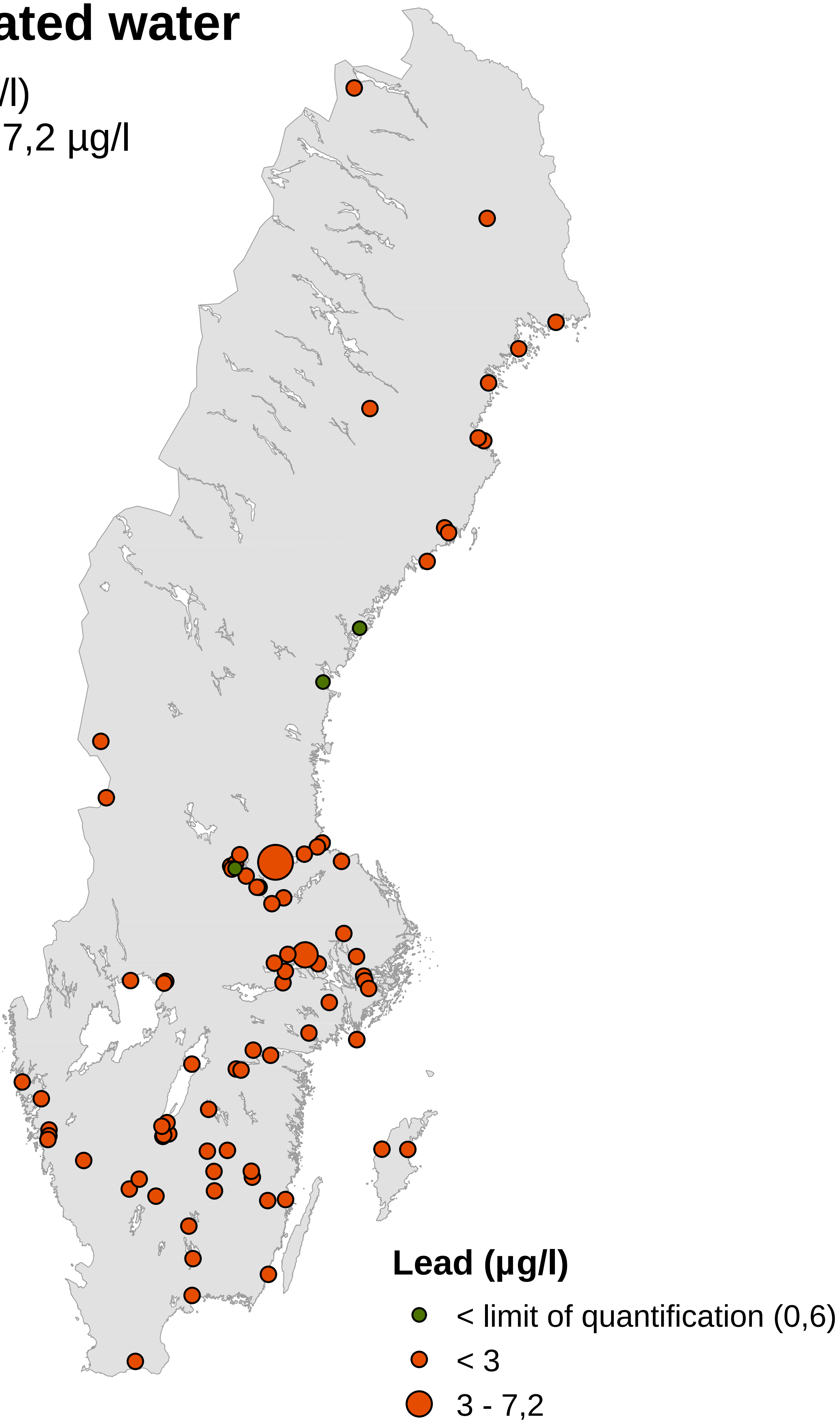



SPMD
Hexachlorocyclohexanes (pg/l)
AA-EQS 20 000 pg/l
Hexachlorocyclohexanes (pg/l)
< 400
400 - 700
700 - 2145


Filtrated water
Lead (µg/l)
AA-EQS 7,2 µg/l
Lead (µg/l)
< limit of quantification (0,6)
< 0,15
0,15 - 0,40
0,40 - 0,80

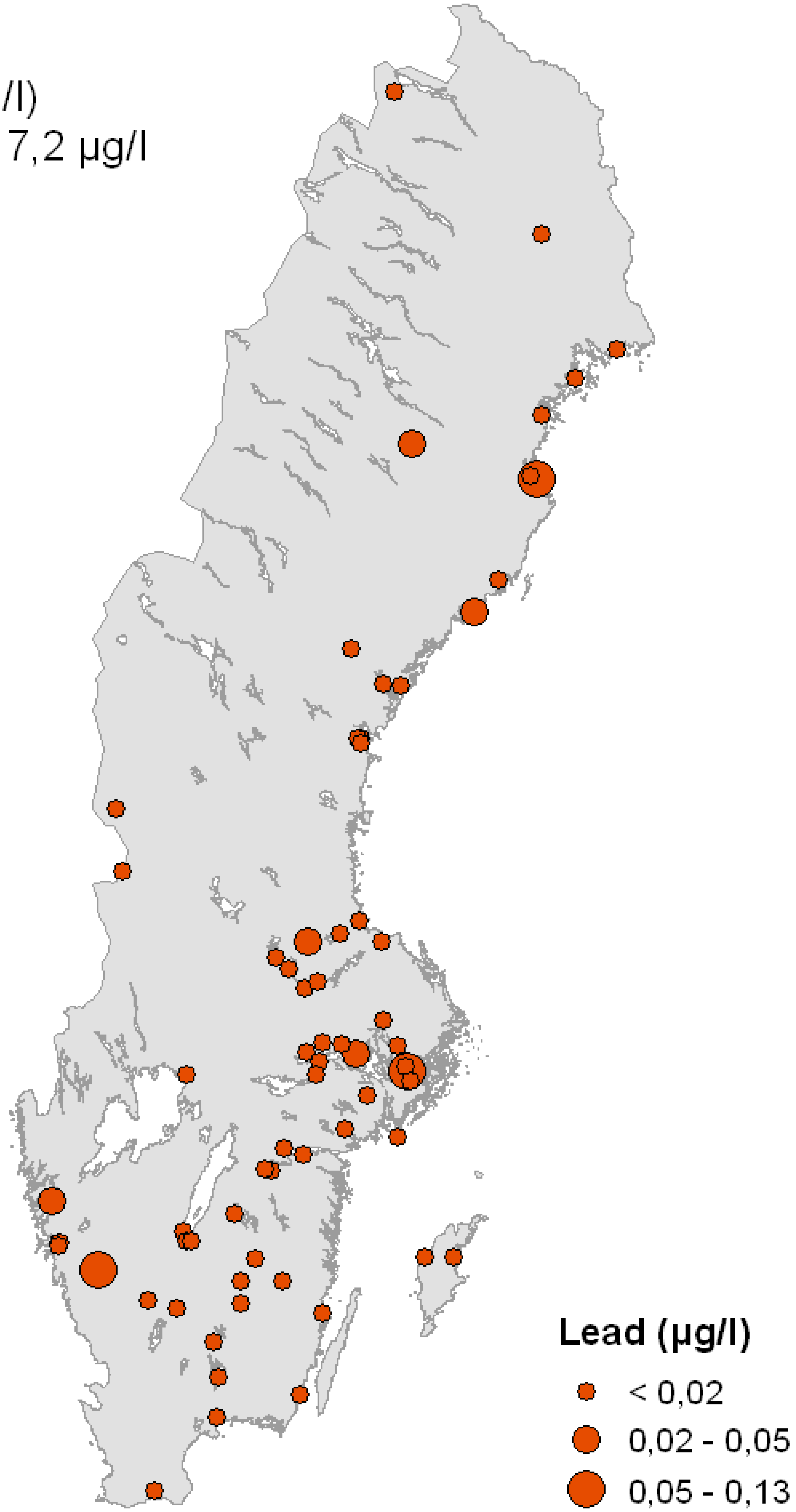
Unfiltrated water

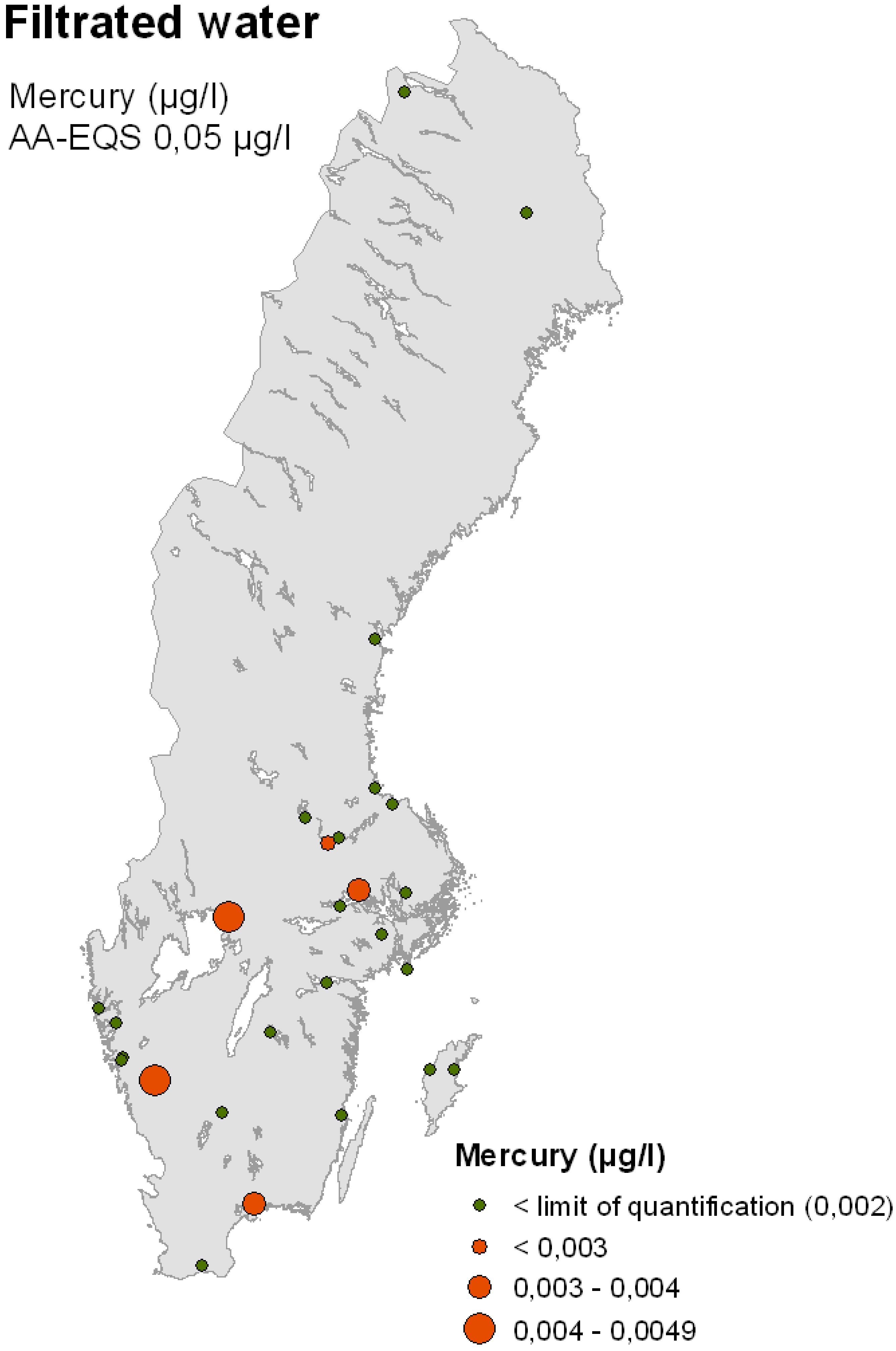
Lead (µg/l)
AA-EQS 7,2 µg/l



DGT

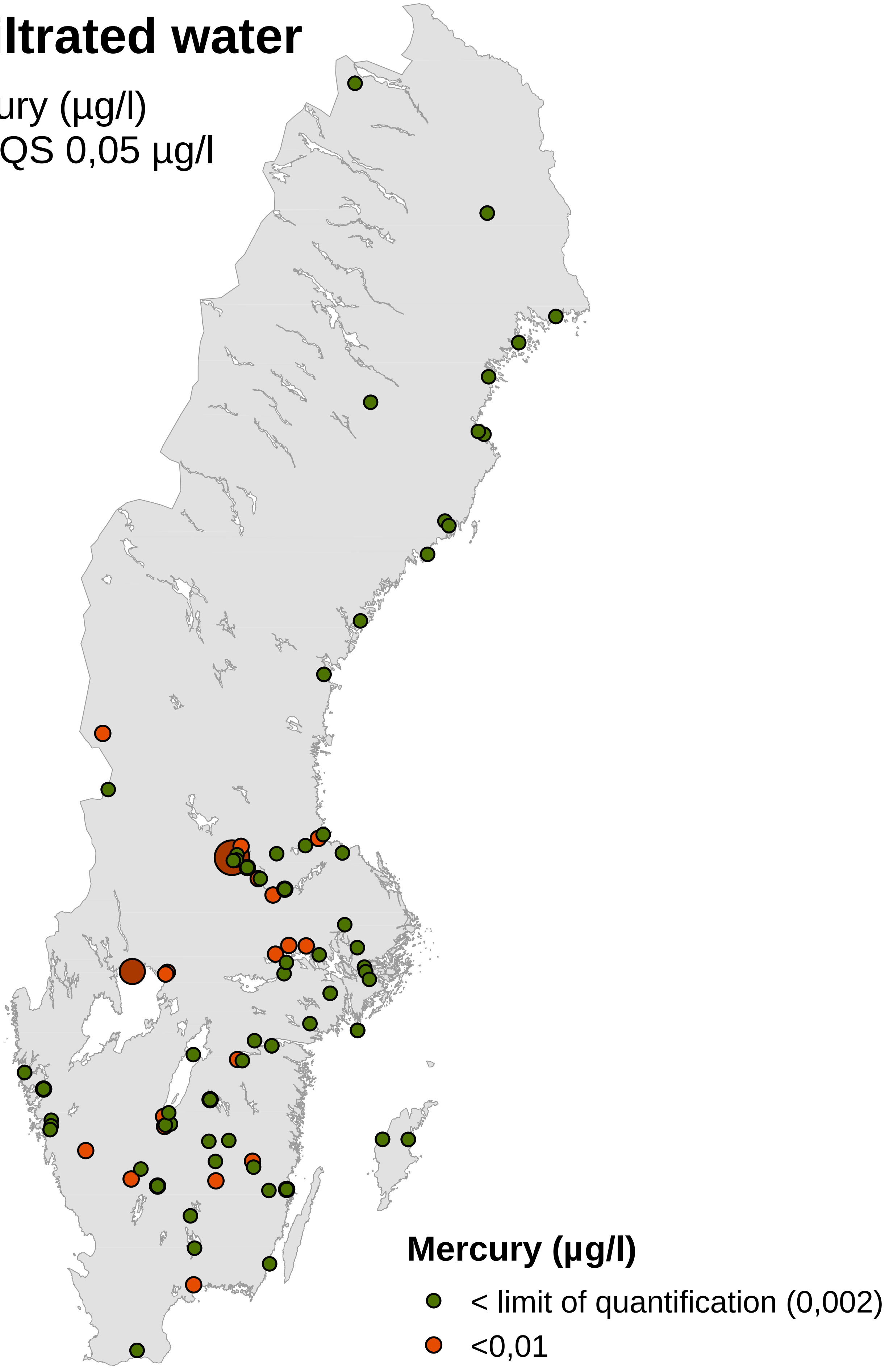
Lead (µg/l)
AA-EQS 7,2 µg/l




Filtrated water
Mercury (µg/l)
AA-EQS 0,05 µg/l
Mercury (µg/l)
< limit of quantification (0,002)
< 0,003
0,003 - 0,004
0,004 - 0,0049

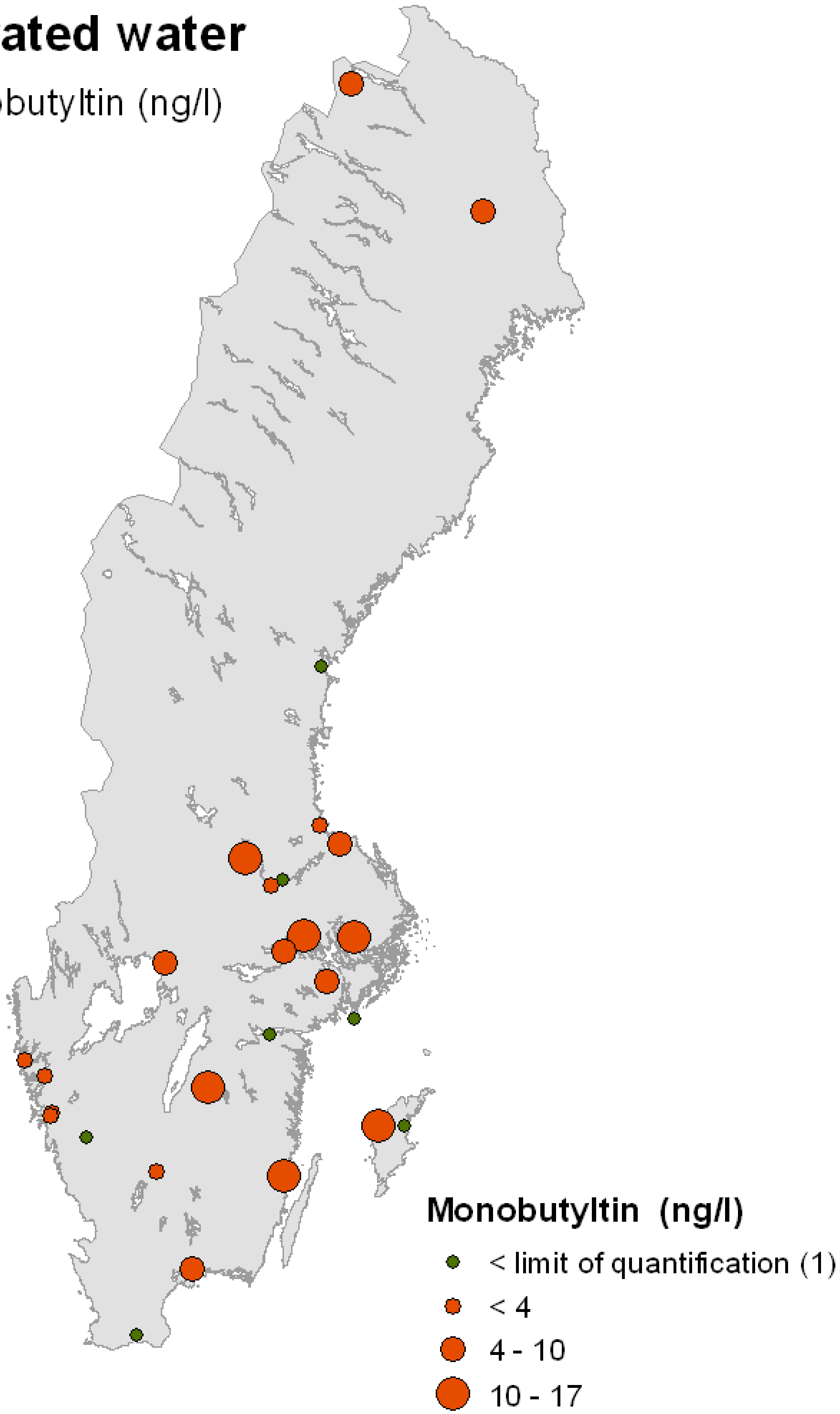
Unfiltrated water

Mercury (µg/l)
AA-EQS 0,05 µg/l



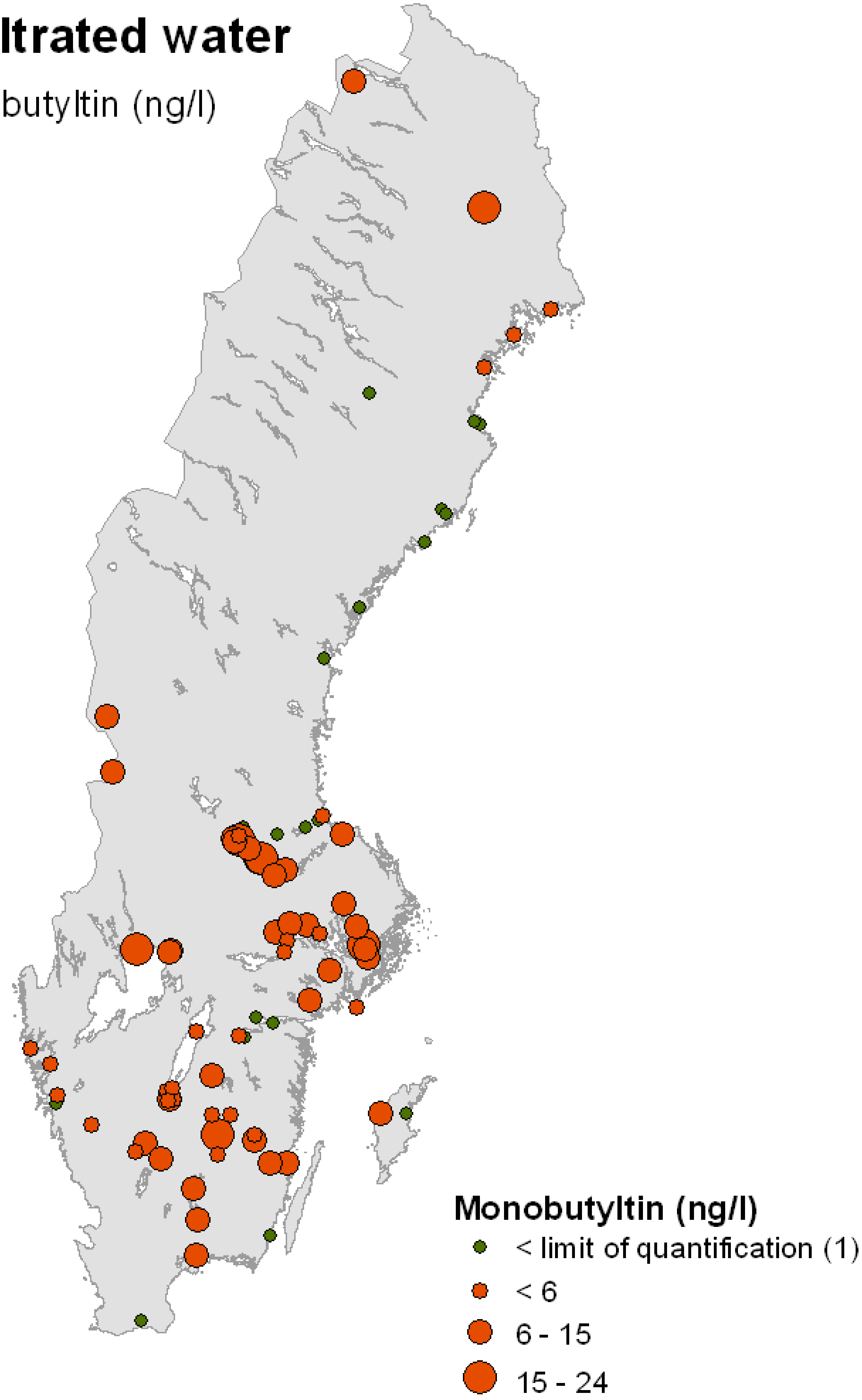
Filtrated water

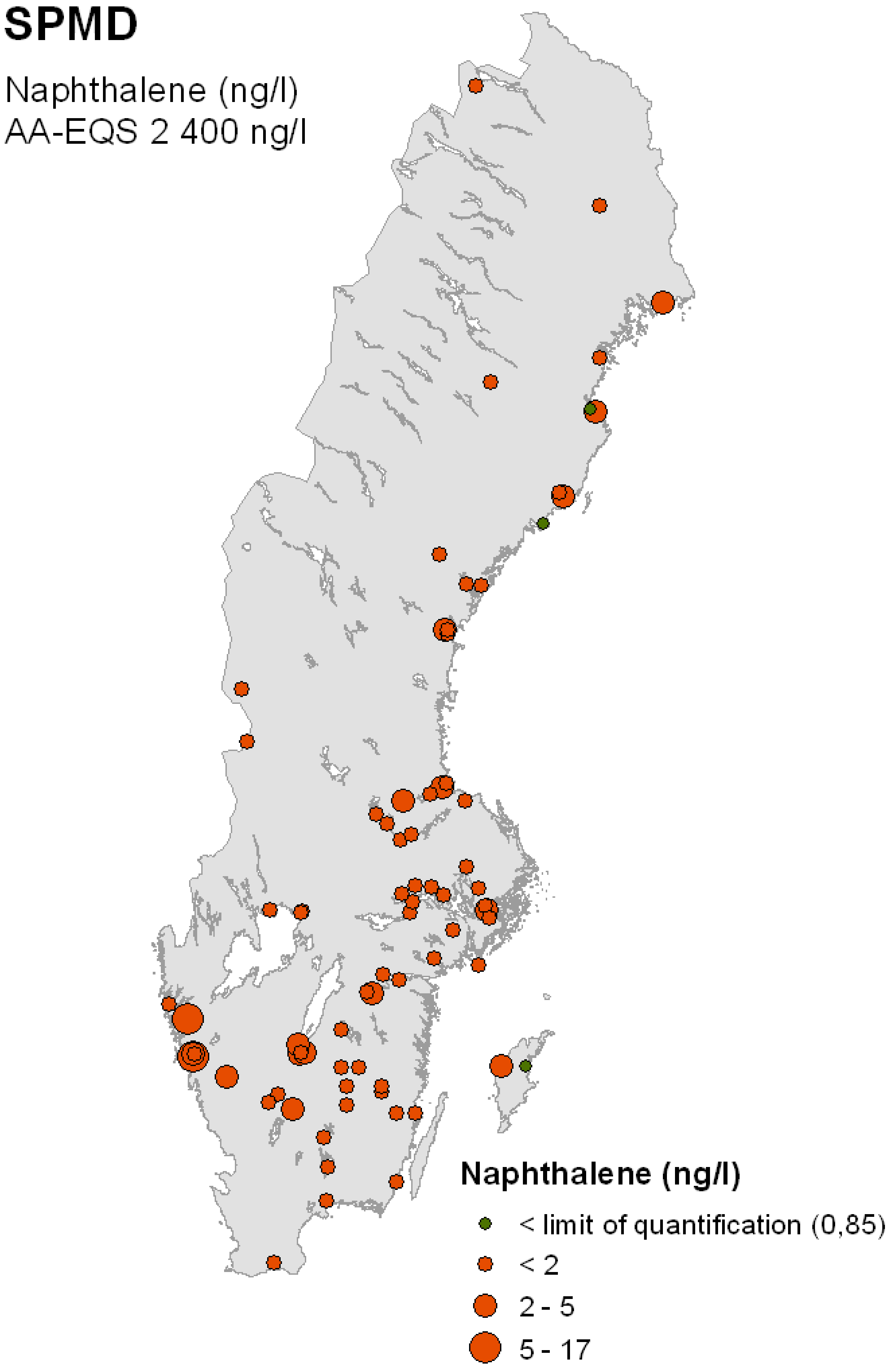
Monobutyltin (ng/l)



Unfiltrated water

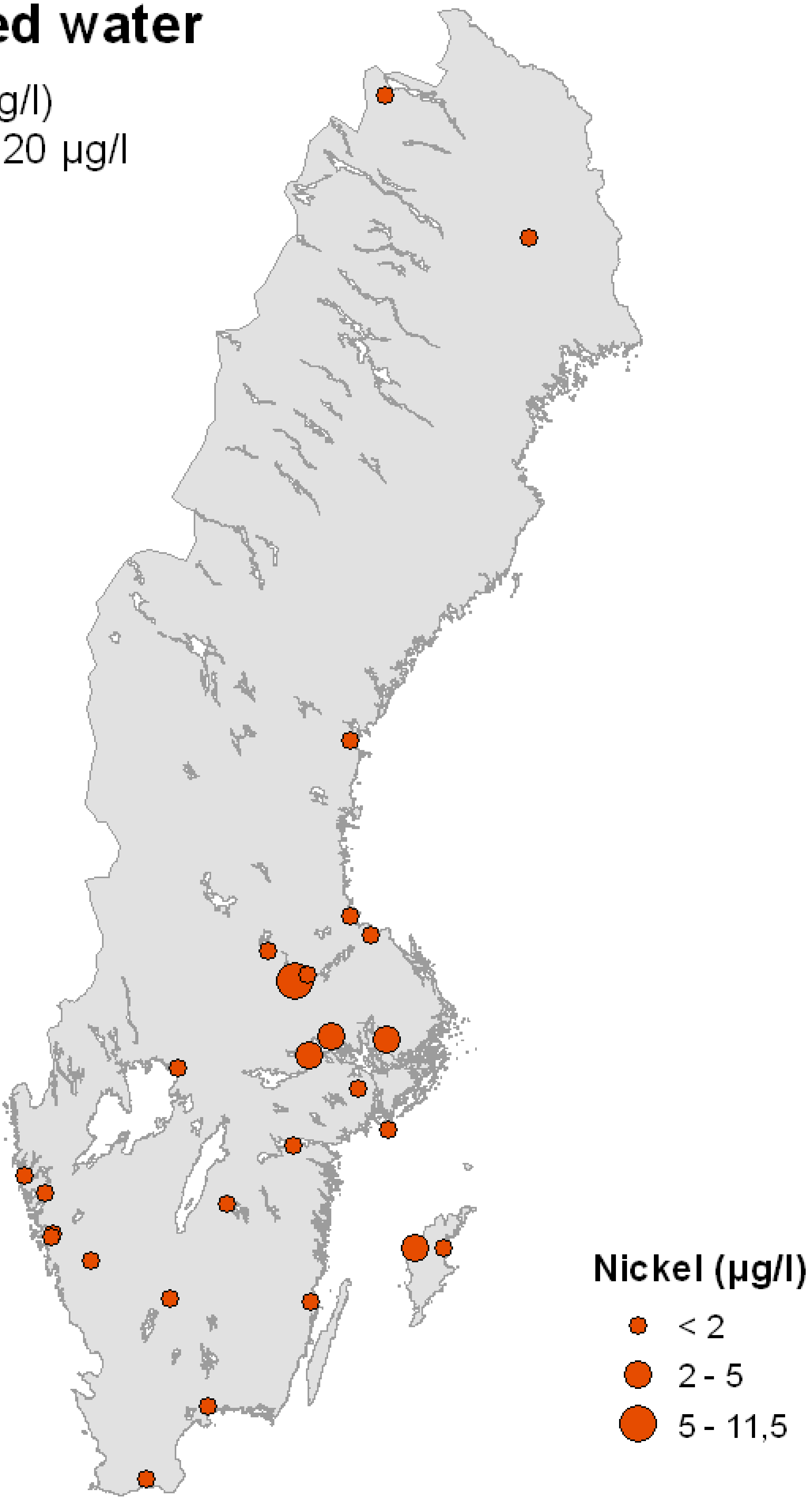
Monobutyltin (ng/l)

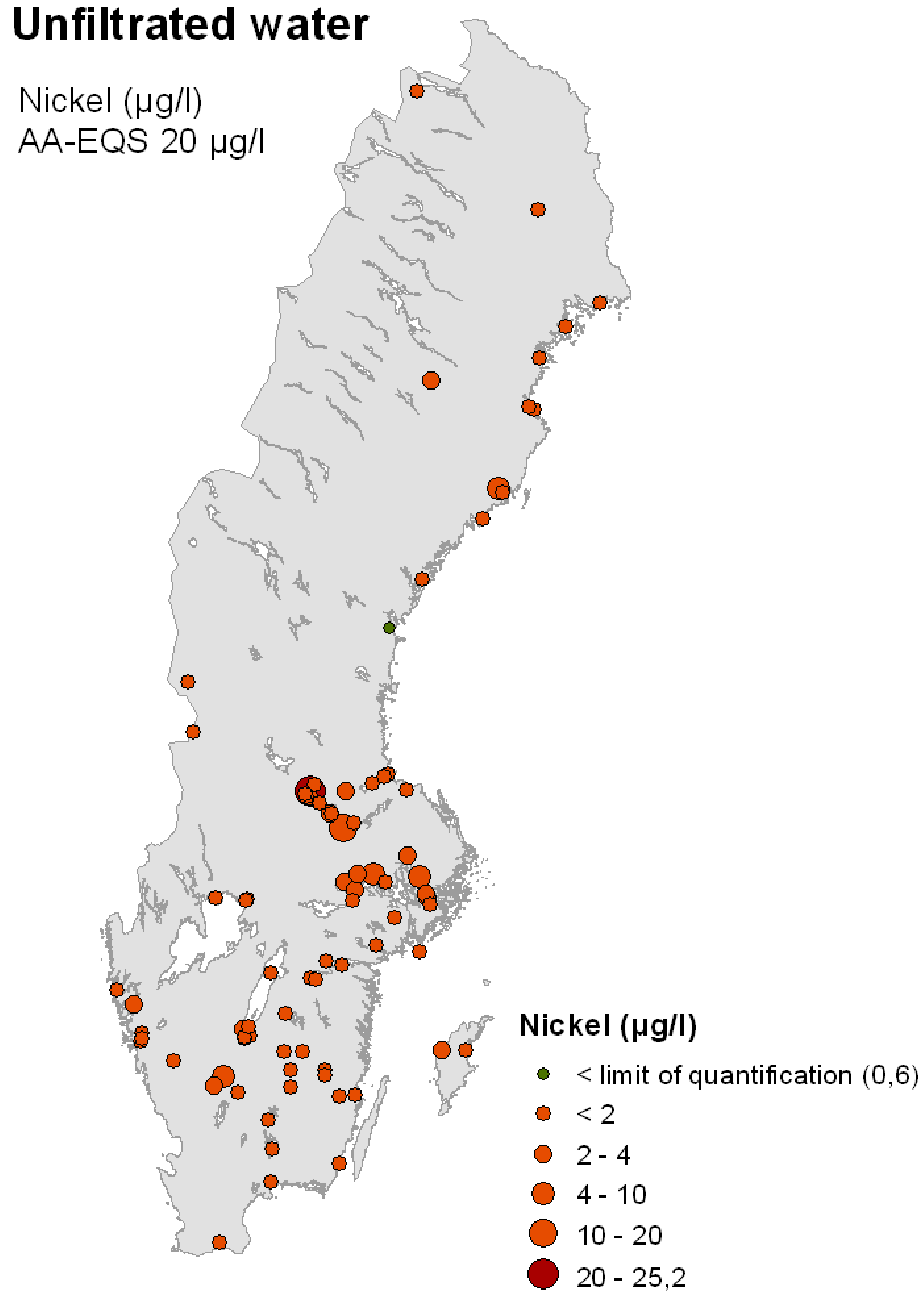


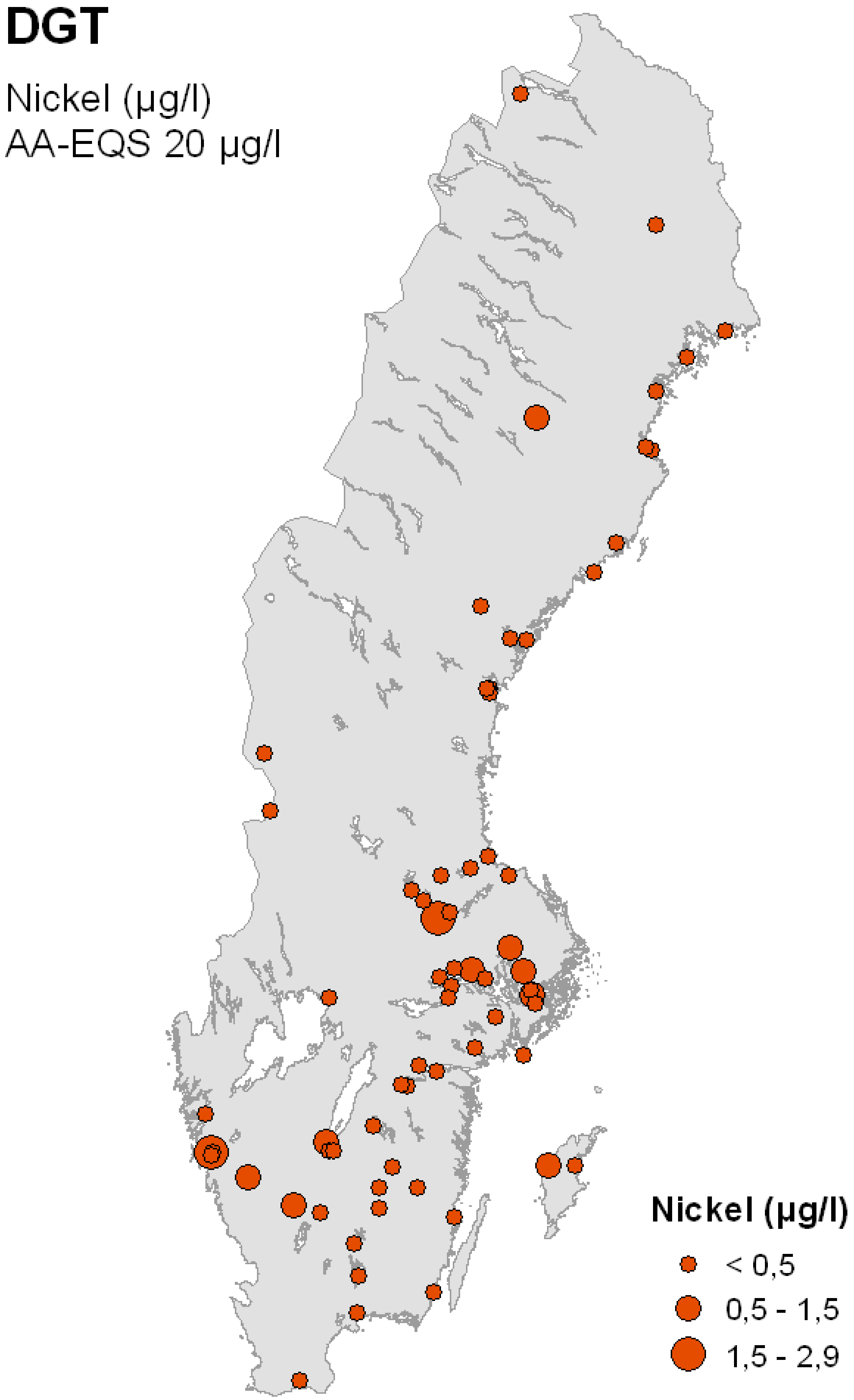

SPMD
Naphthalene (ng/l)
AA-EQS 2 400 ng/l
Naphthalene (ng/l)
< limit of quantification (0,85)
< 2
2 - 5
5 - 17

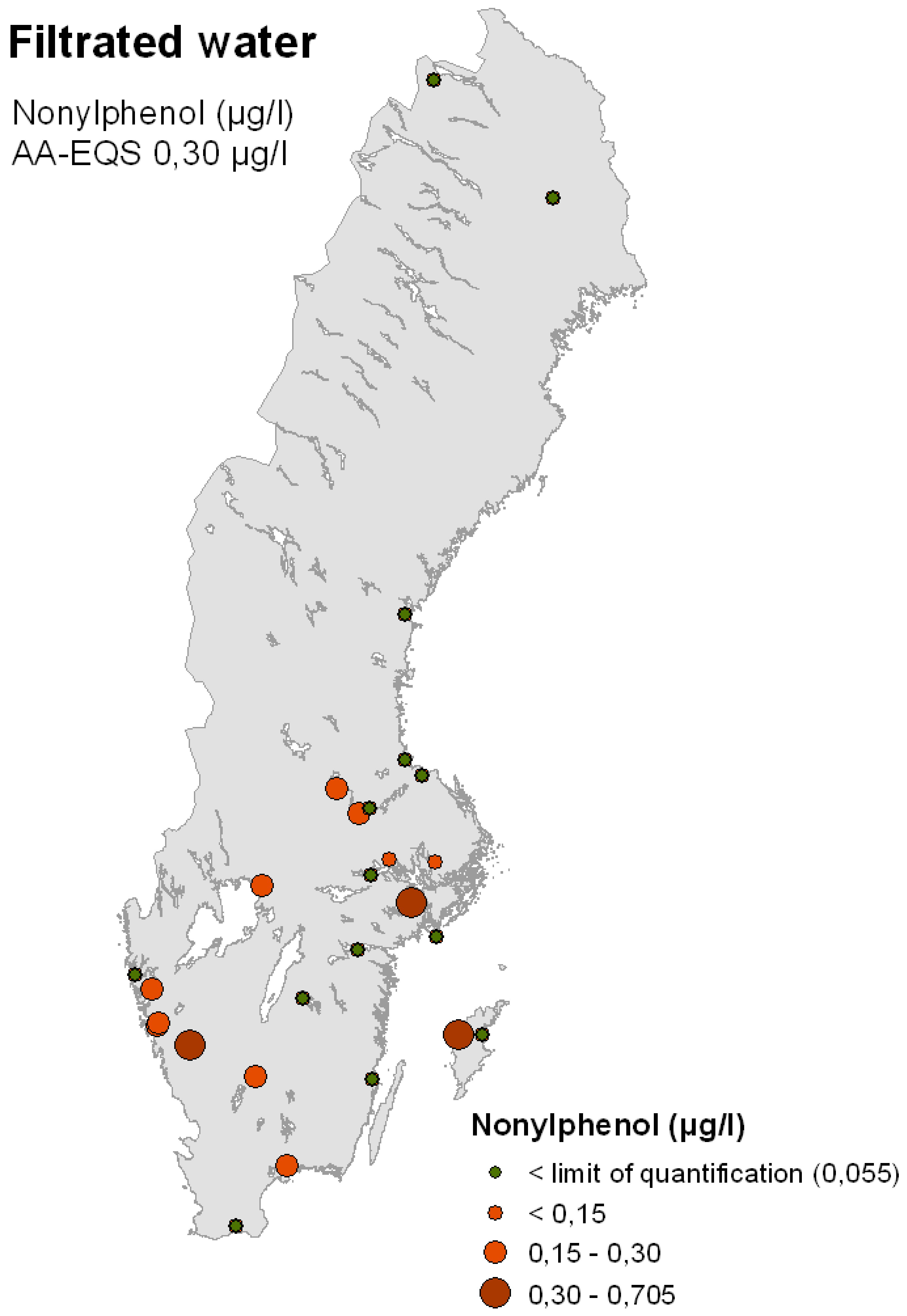
Filtrated water

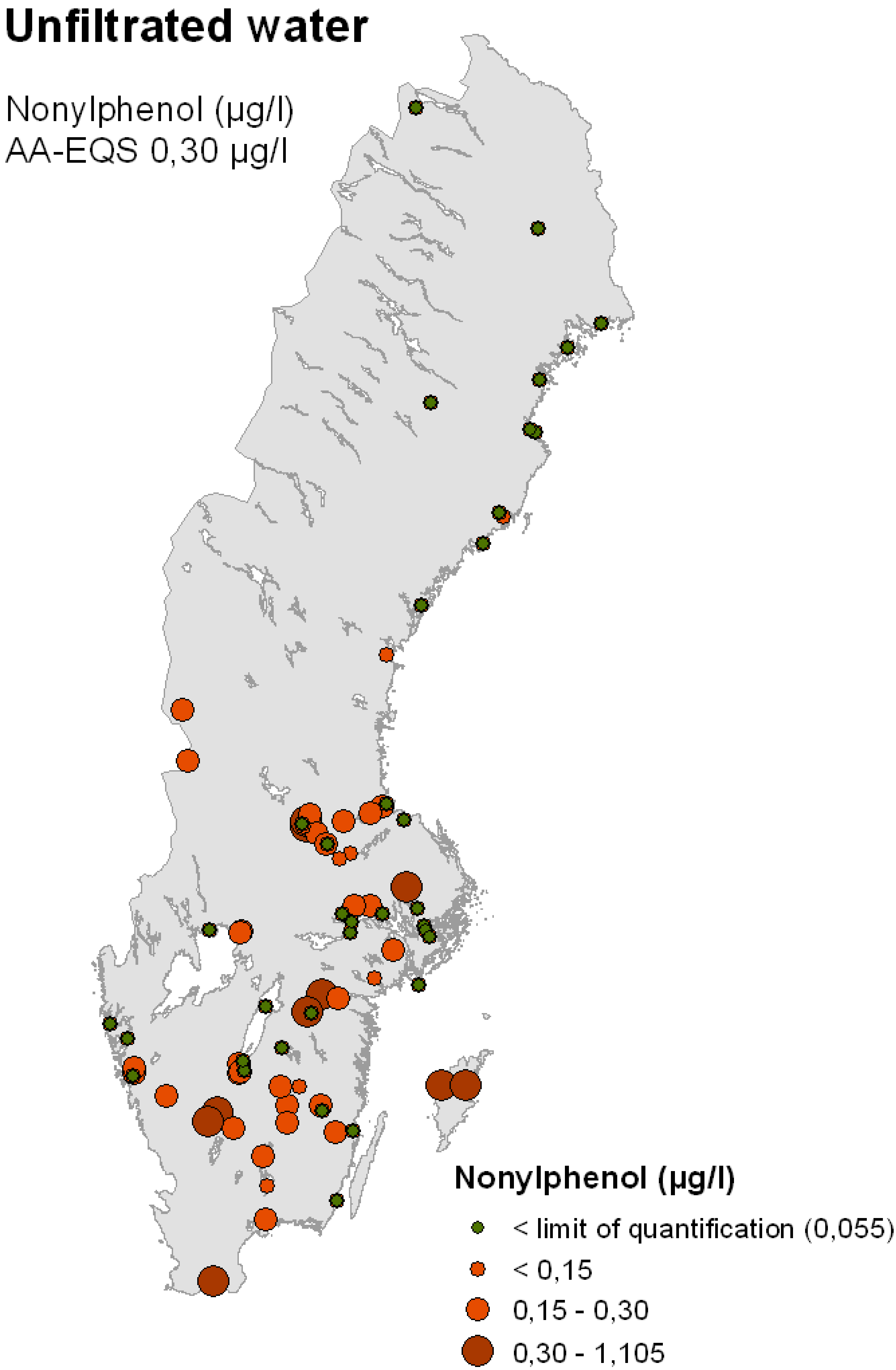
Nickel (µg/l)
AA-EQS 20 µg/l




Unfiltrated water
Nickel (µg/l)
AA-EQS 20 µg/l
Nickel (µg/l)
< limit of quantification (0,6)
< 2
2 - 4
4 - 10
10 - 20
20 - 25,2

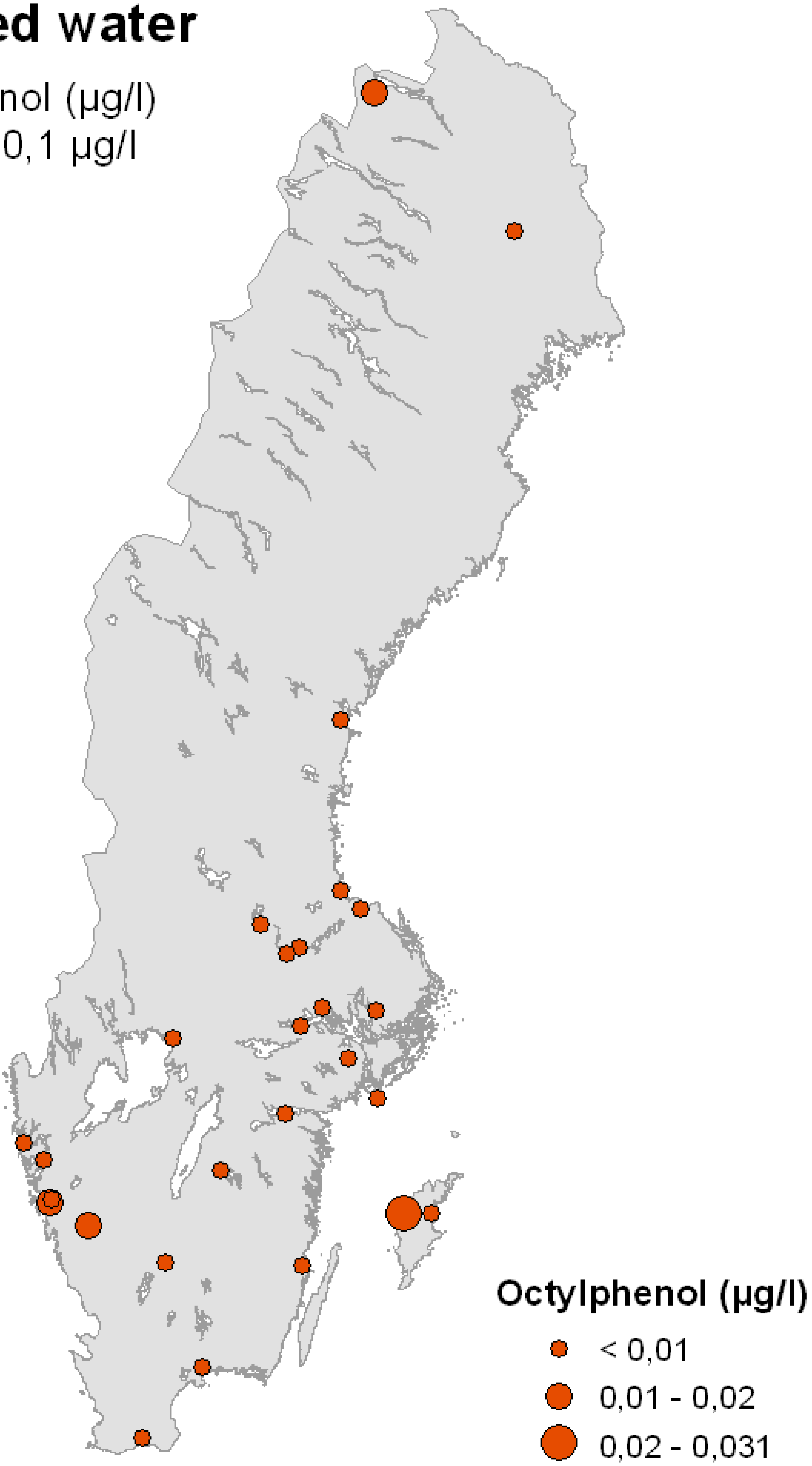

DGT
Nickel (µg/l)
AA-EQS 20 µg/l
Nickel (µg/l)
< 0,5
0,5 - 1,5
1,5 - 2,9


Filtrated water
Nonylphenol (µg/l)
AA-EQS 0,30 µg/l
Nonylphenol (µg/l)
< limit of quantification (0,055)
< 0,15
0,15 - 0,30
0,30 - 0,705


Unfiltrated water
Nonylphenol (µg/l)
AA-EQS 0,30 µg/l
Nonylphenol (µg/l)
< limit of quantification (0,055)
< 0,15
0,15 - 0,30
0,30 - 1,105

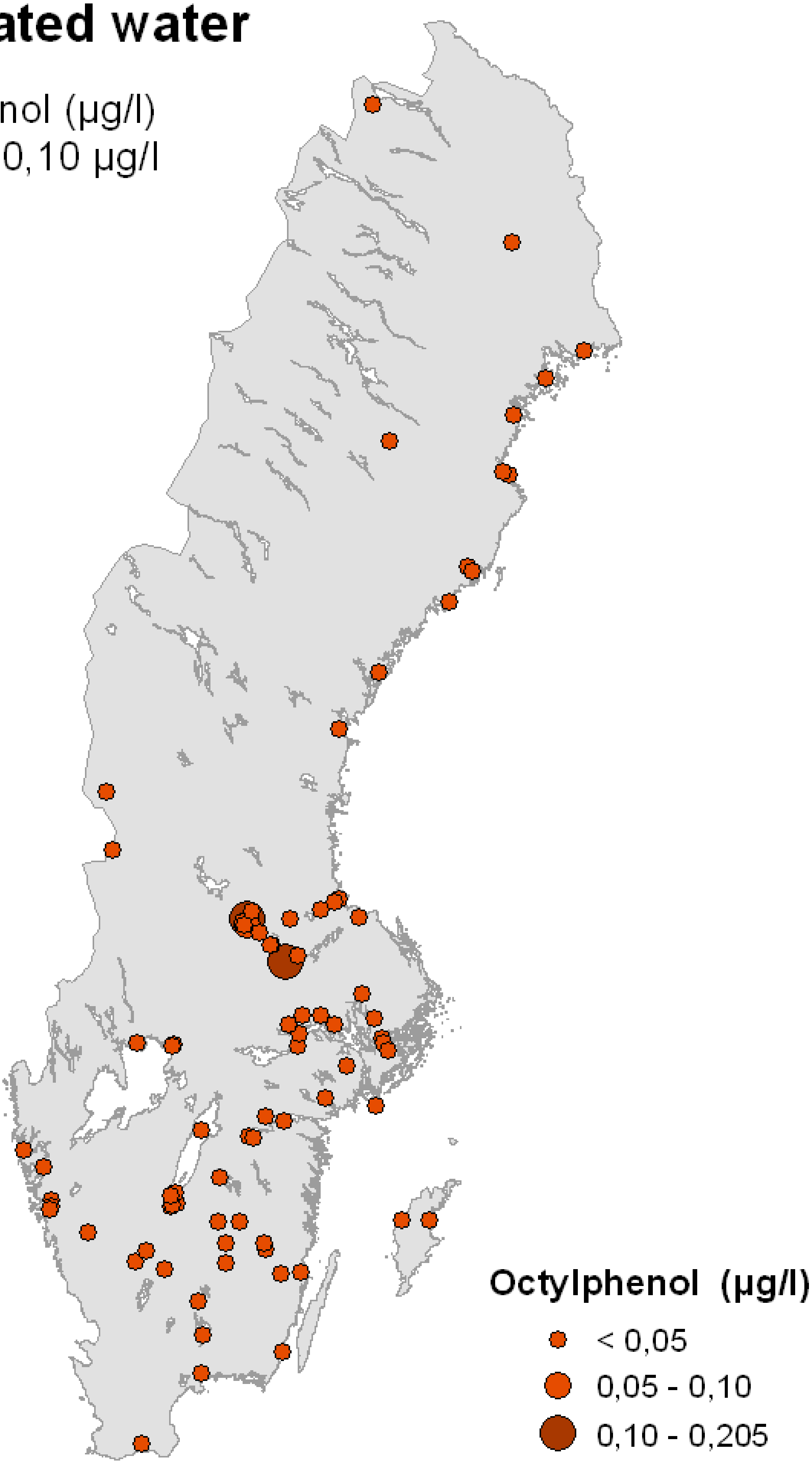
Filtrated water

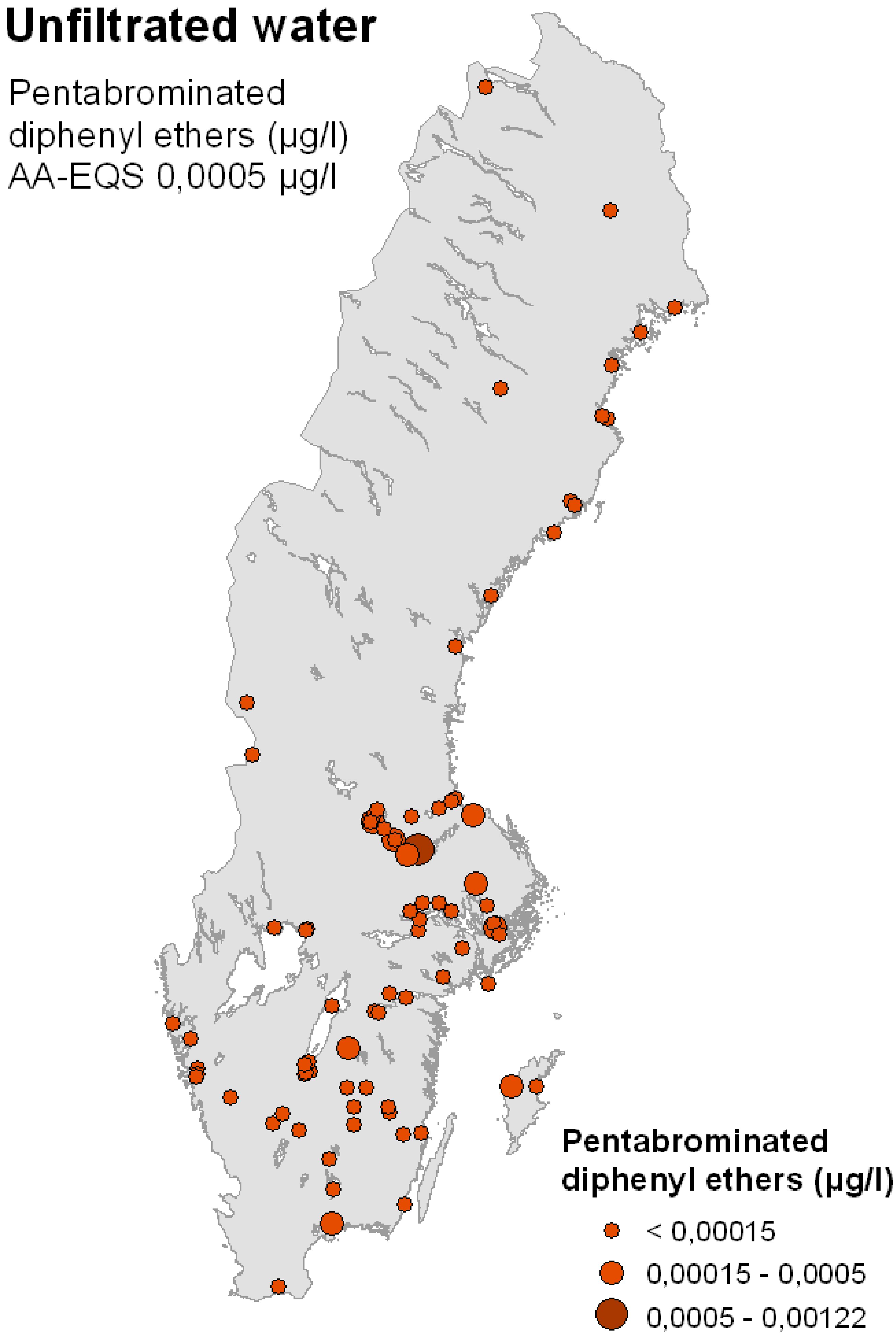
Octylphenol (µg/l)
AA-EQS 0,1 µg/l

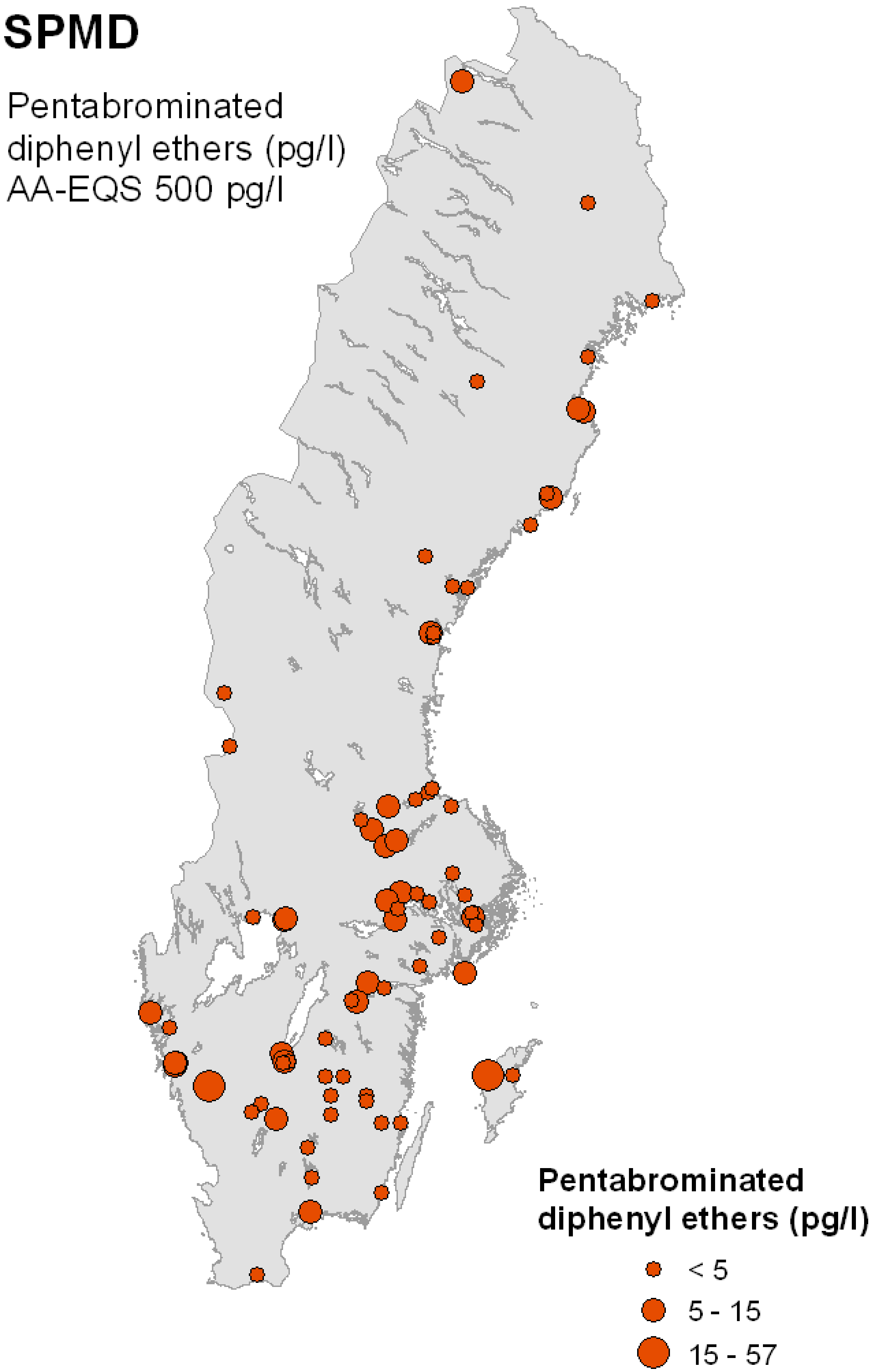


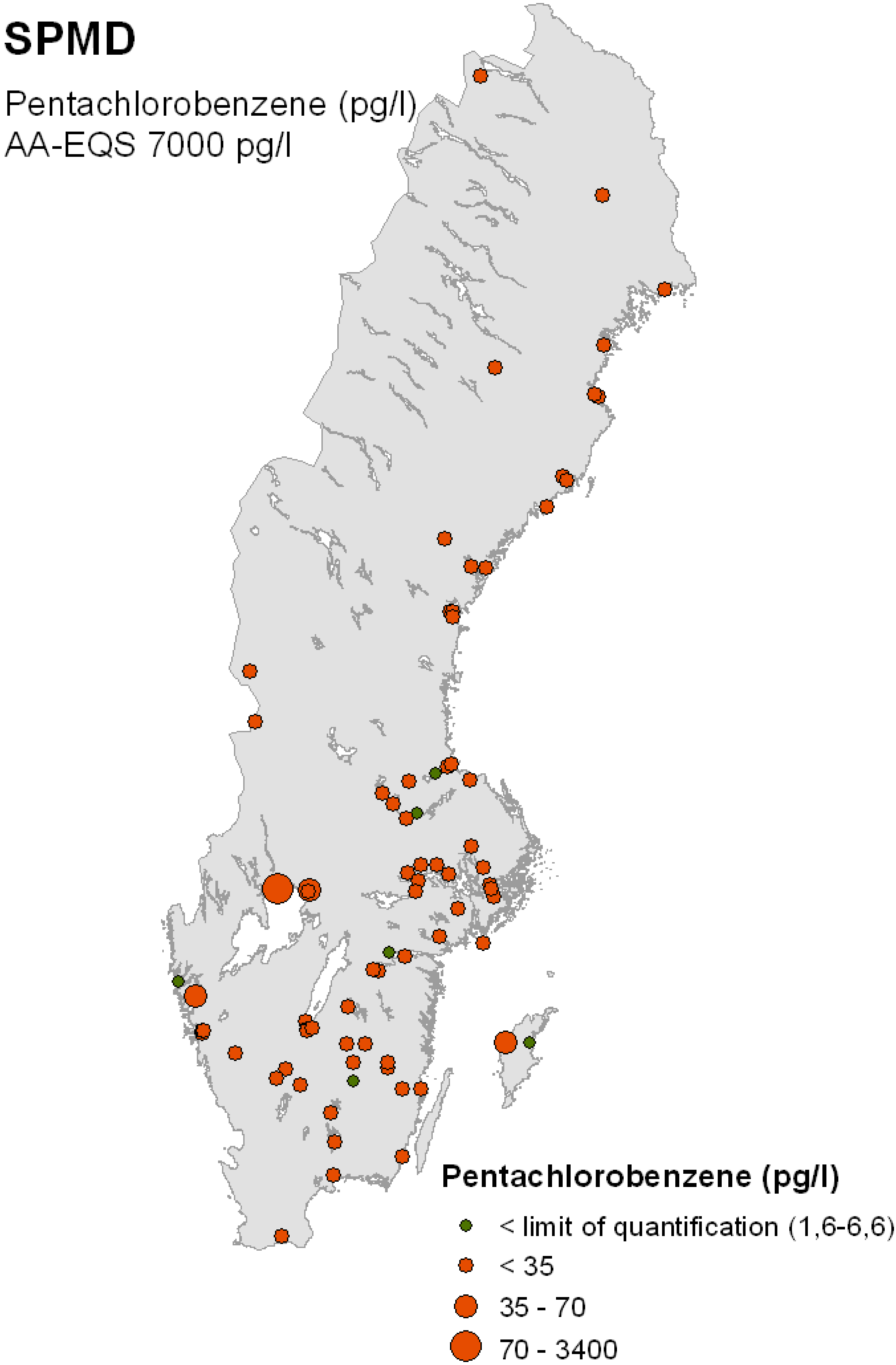
Unfiltrated water

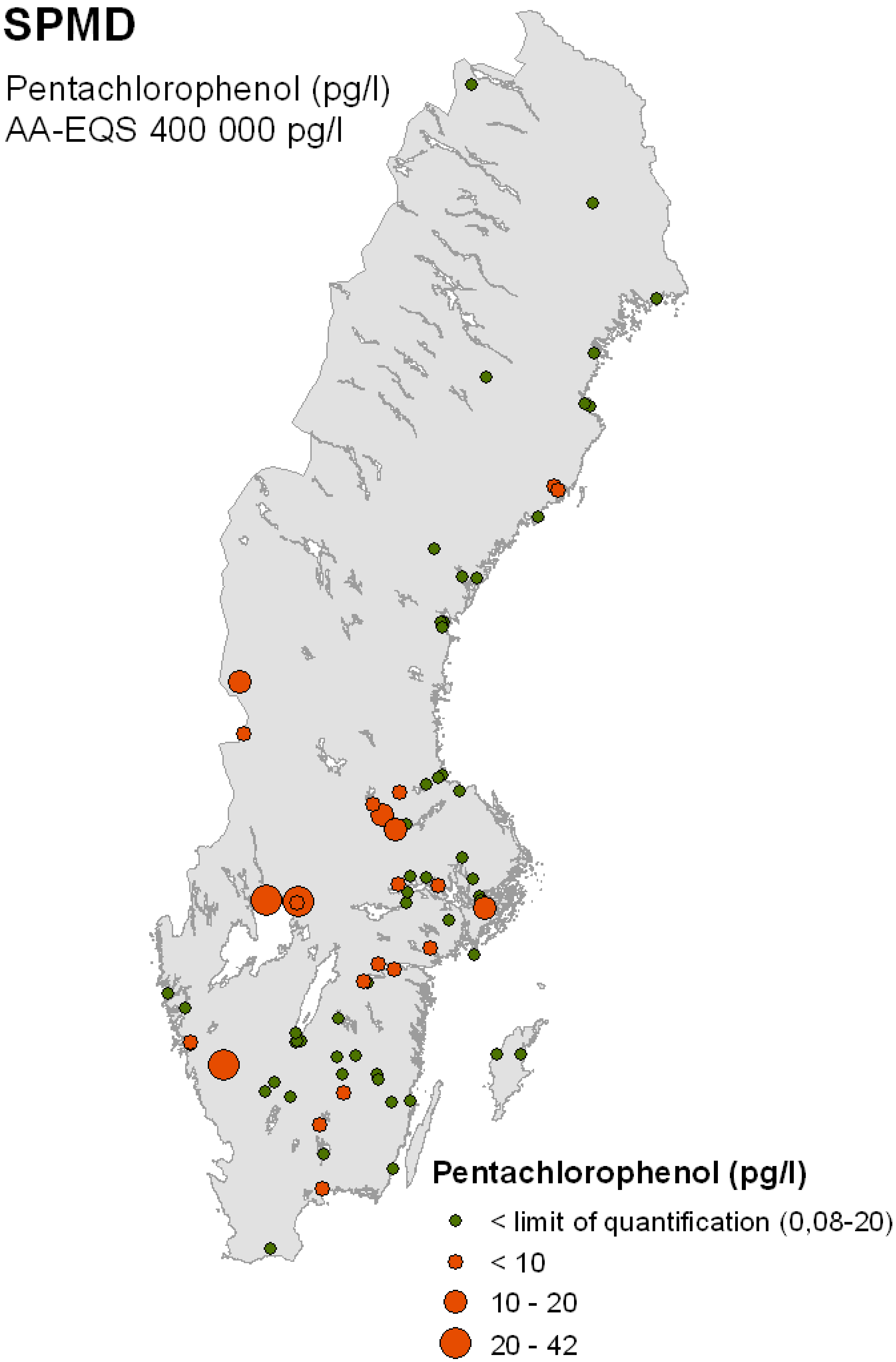
Octylphenol (µg/l)
AA-EQS 0,10 µg/l




Unfiltrated water
Pentabrominated
diphenyl ethers (µg/l)
AA-EQS 0,0005 µg/l
Pentabrominated
diphenyl ethers (µg/l)
< 0,00015
0,00015 - 0,0005
0,0005 - 0,00122

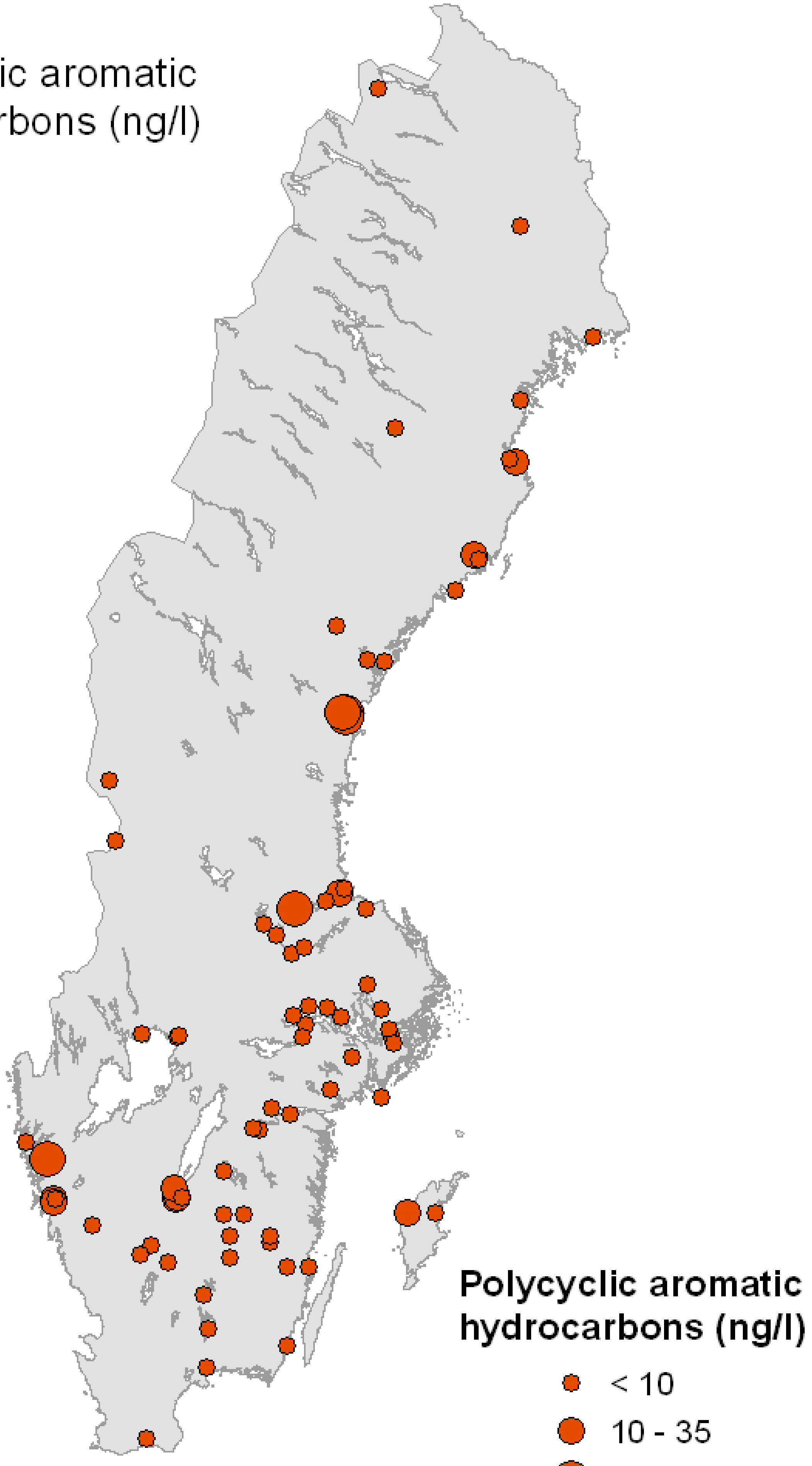

SPMD
Pentabrominated diphenyl ethers (pg/l)
AA-EQS 500 pg/l
Pentabrominated diphenyl ethers (pg/l)
< 5
5 - 15
15 - 57


SPMD
Pentachlorobenzene (pg/l)
AA-EQS 7000 pg/l
Pentachlorobenzene (pg/l)
< limit of quantification (1,6-6,6)
< 35
35 - 70
70 - 3400


SPMD
Pentachlorophenol (pg/l)
AA-EQS 400 000 pg/l
Pentachlorophenol (pg/l)
< limit of quantification (0,08-20)
< 10
10 - 20
20 - 42

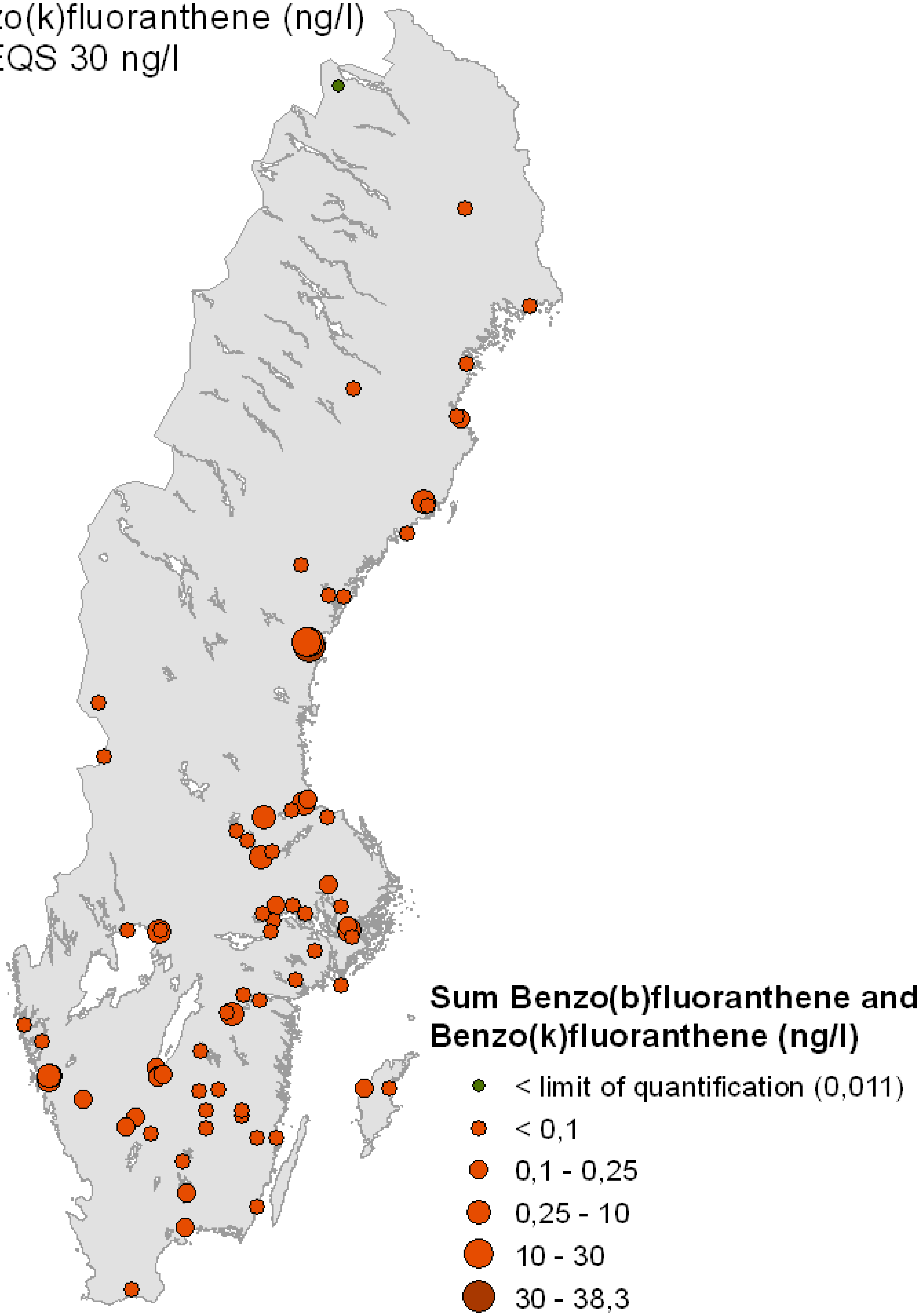
SPMD

Polycyclic aromatic hydrocarbons (ng/l)



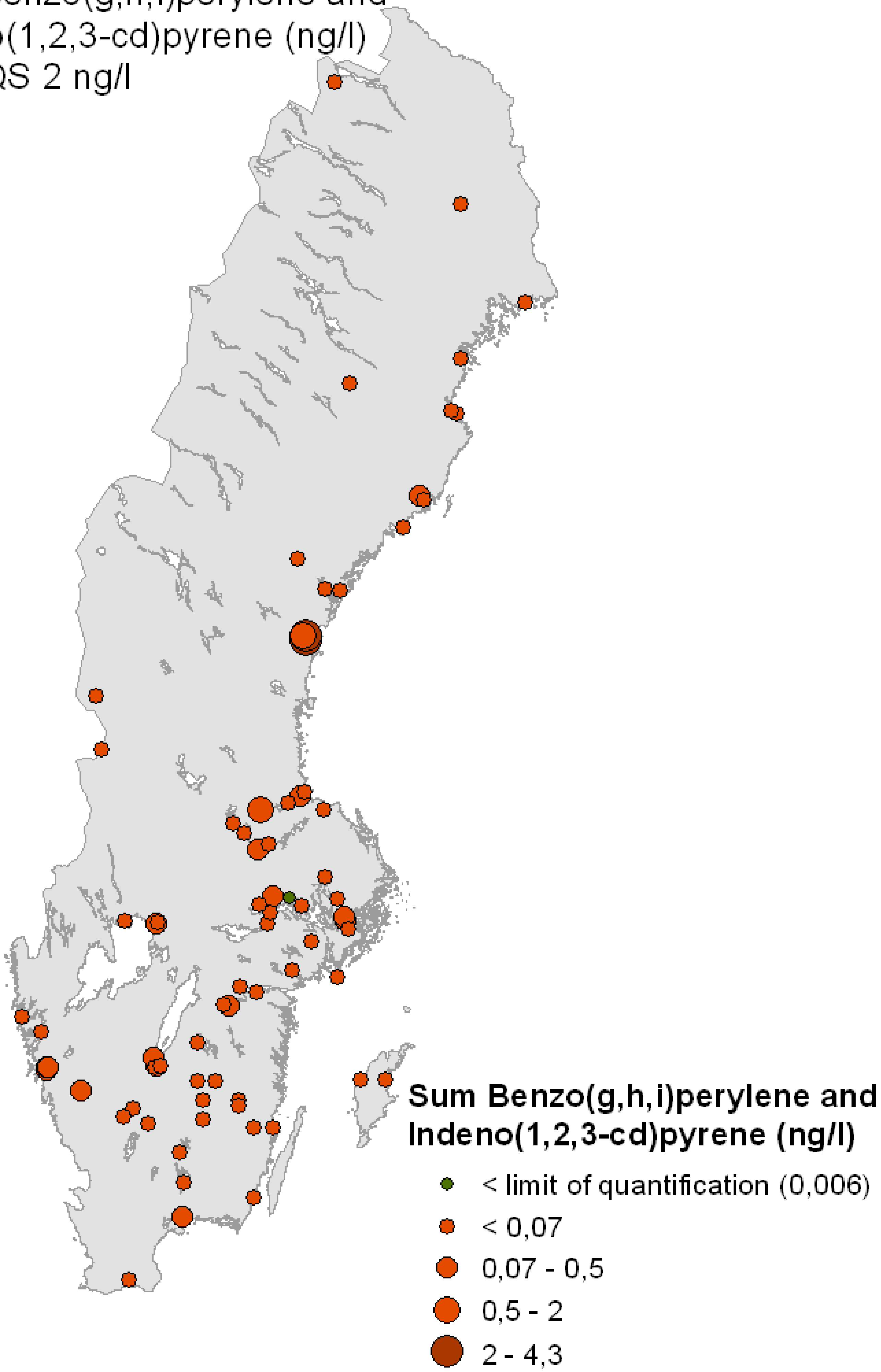
SPMD

Sum Benzo(b)fluoranthene and
Benzo(k)fluoranthene (ng/l)
AA-EQS 30 ng/l

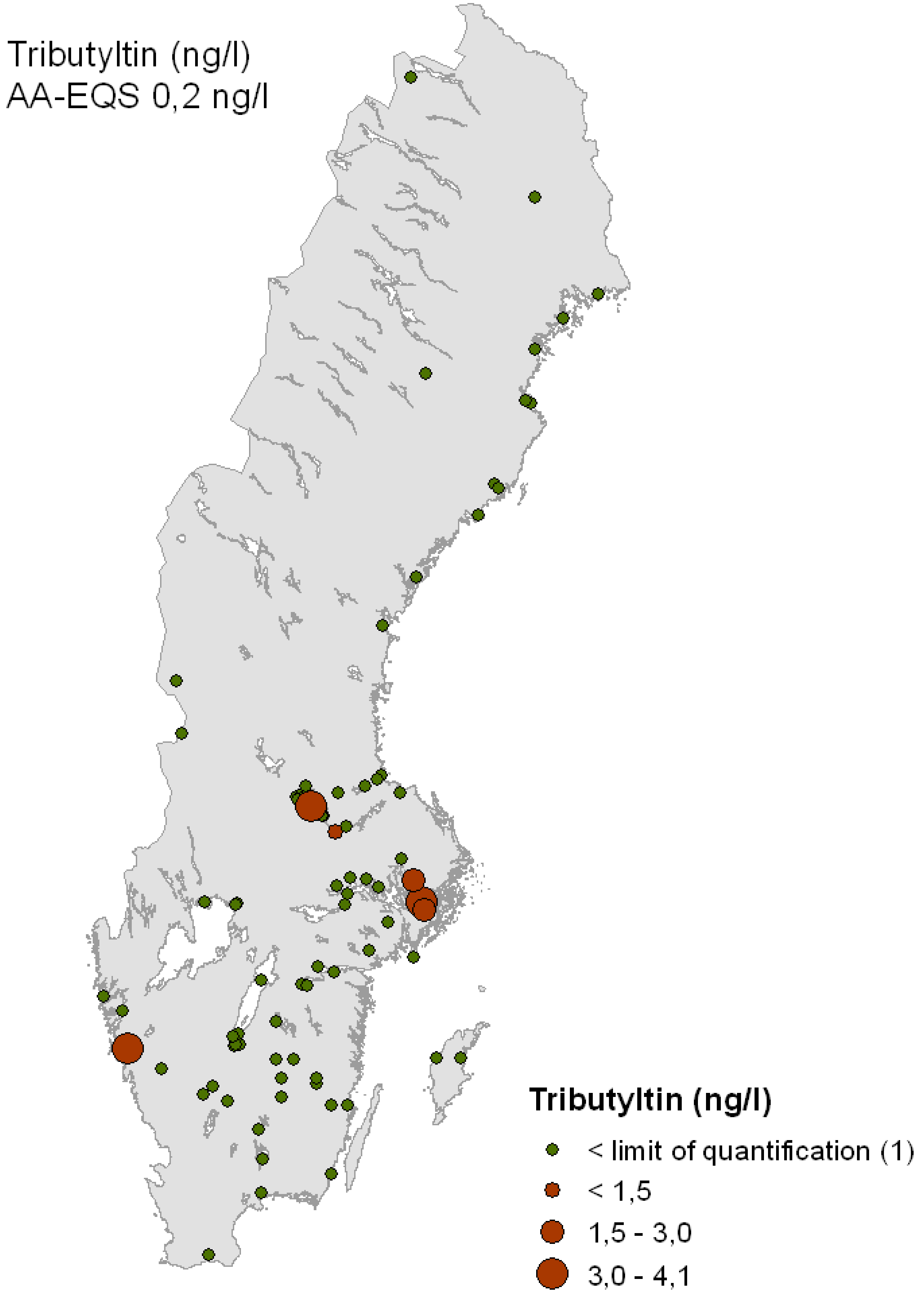


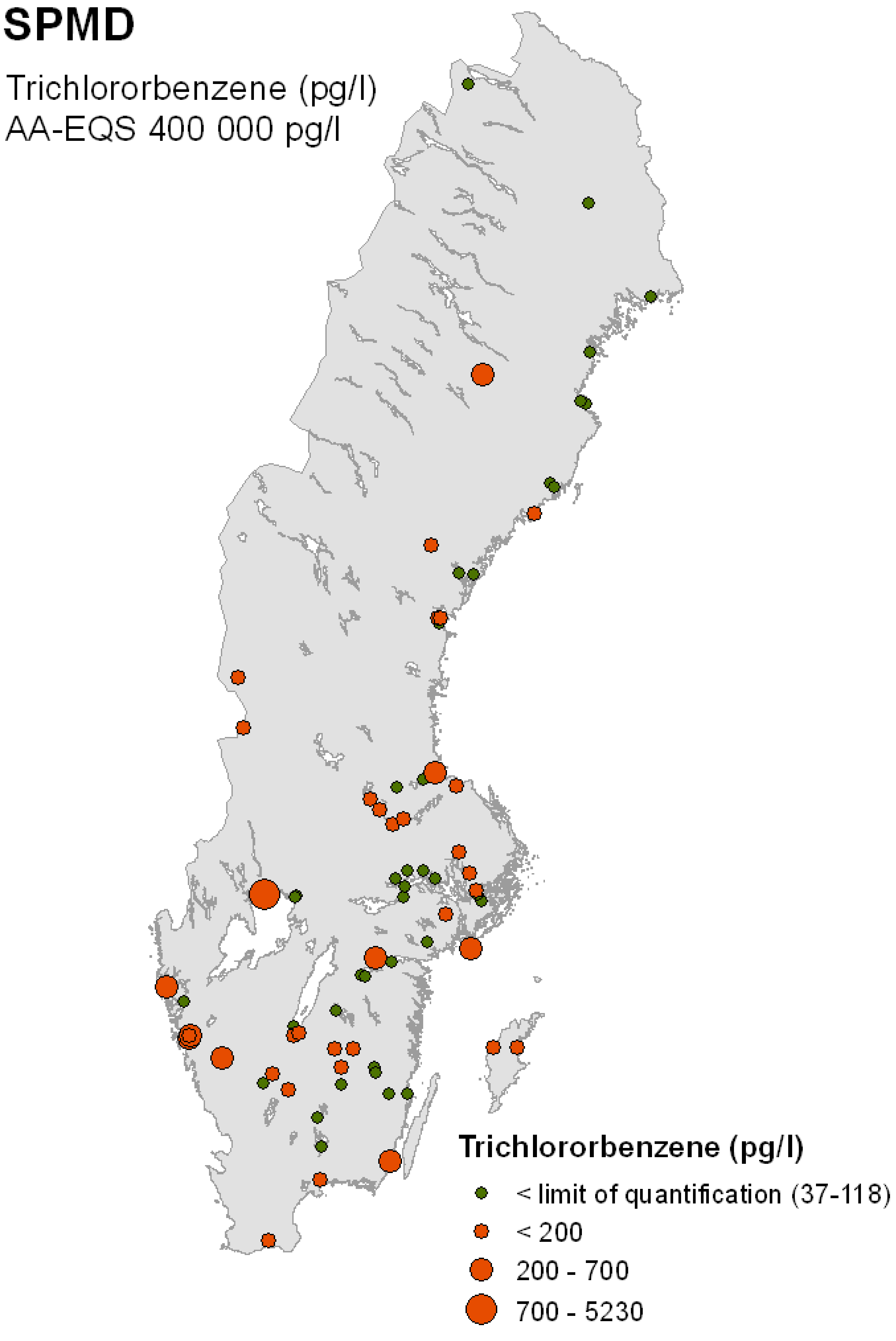
SPMD

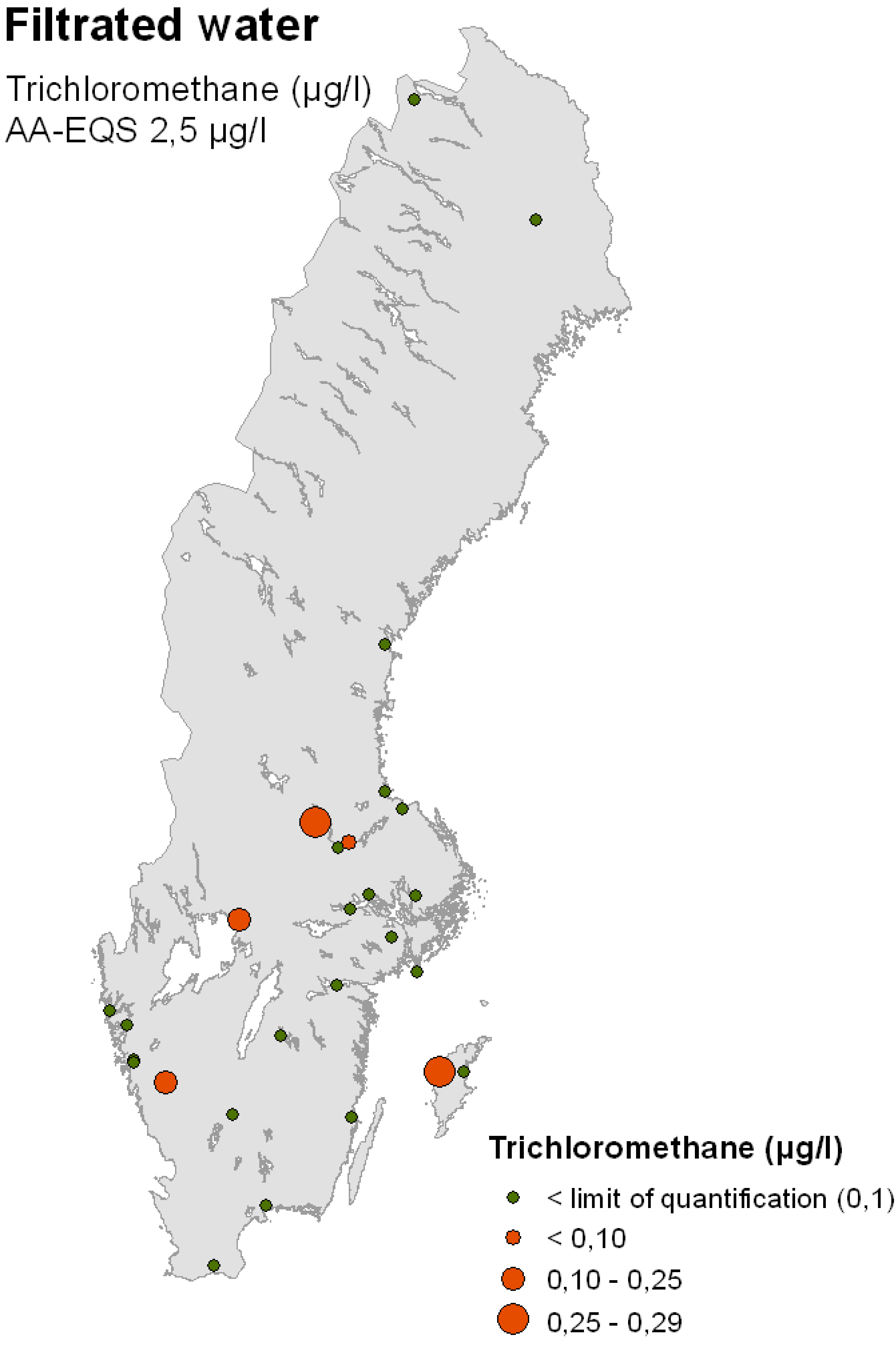
Sum Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene (ng/l)
AA-EQS 2 ng/l



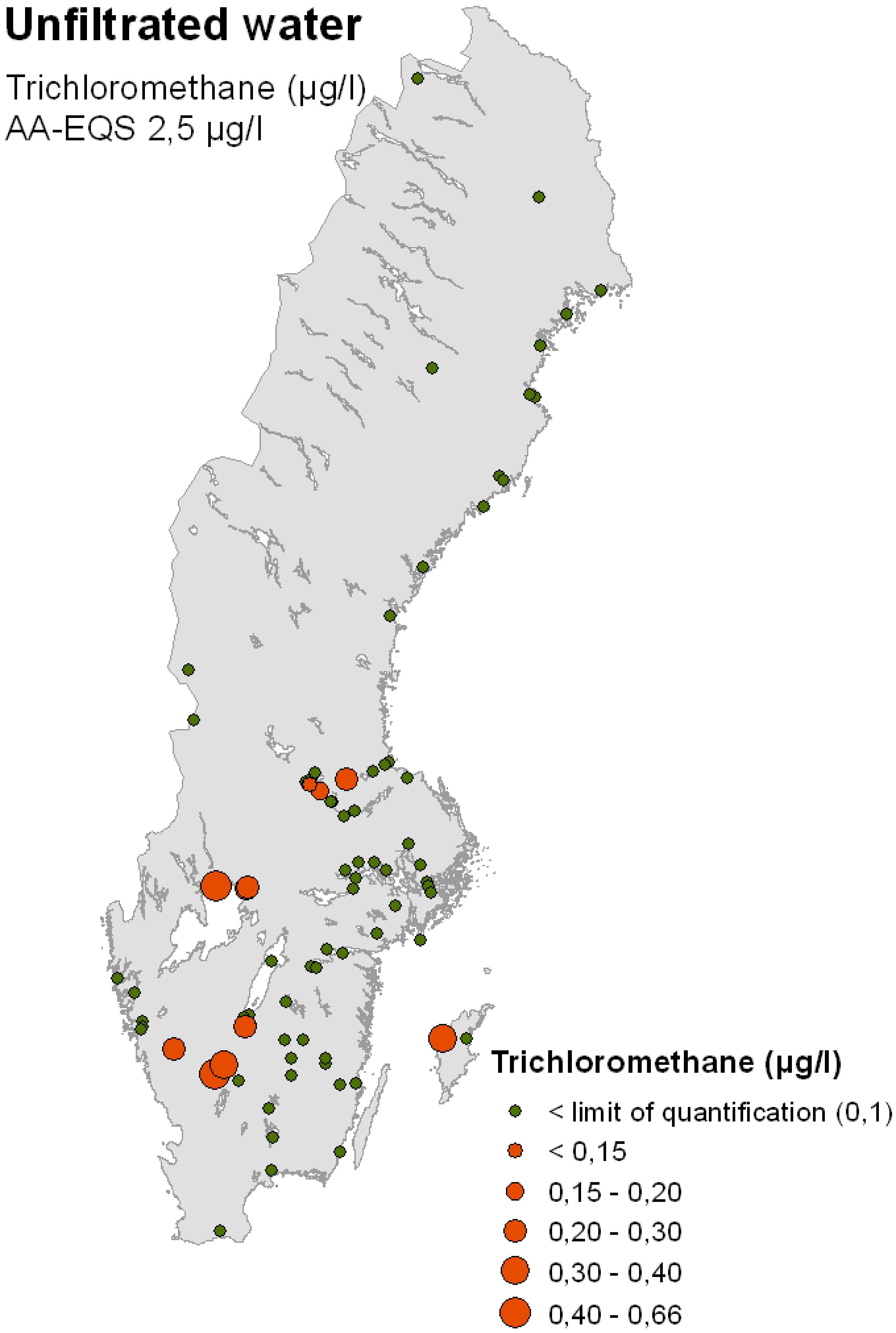
Filtrated and unfiltrated water




SPMD
Trichlororbenzene (pg/l)
AA-EQS 400 000 pg/l
Trichlororbenzene (pg/l)
< limit of quantification (37-118)
< 200
200 - 700
700 - 5230



Filtrated water
Trichloromethane (µg/l)
AA-EQS 2,5 µg/l
Trichloromethane (µg/l)
< limit of quantification (0,1)
< 0,10
0,10 - 0,25
0,25 - 0,29



Unfiltrated water
Trichloromethane (µg/l)
AA-EQS 2,5 µg/l
Trichloromethane (µg/l)
< limit of quantification (0,1)
< 0,15
0,15 - 0,20
0,20 - 0,30
0,30 - 0,40
0,40 - 0,66

SPMD

Trifluralin (pg/l)
AA-EQS 30 000 pg/l