

SWECO VIAK Screening Report 2007:1

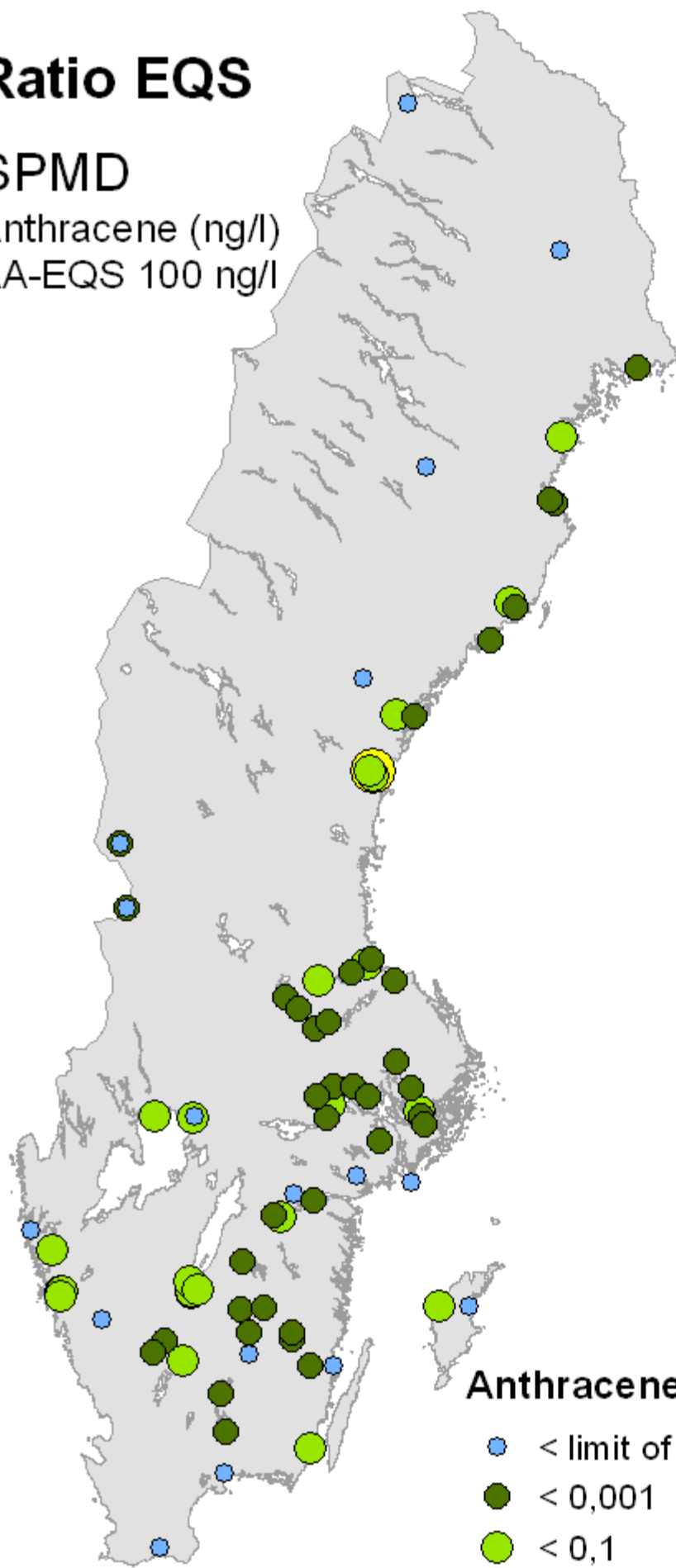
Appendix 3

Maps of the Ratio between Concentrations and
EQS Values of Priority Substances in Sweden

Ratio EQS

SPMD

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



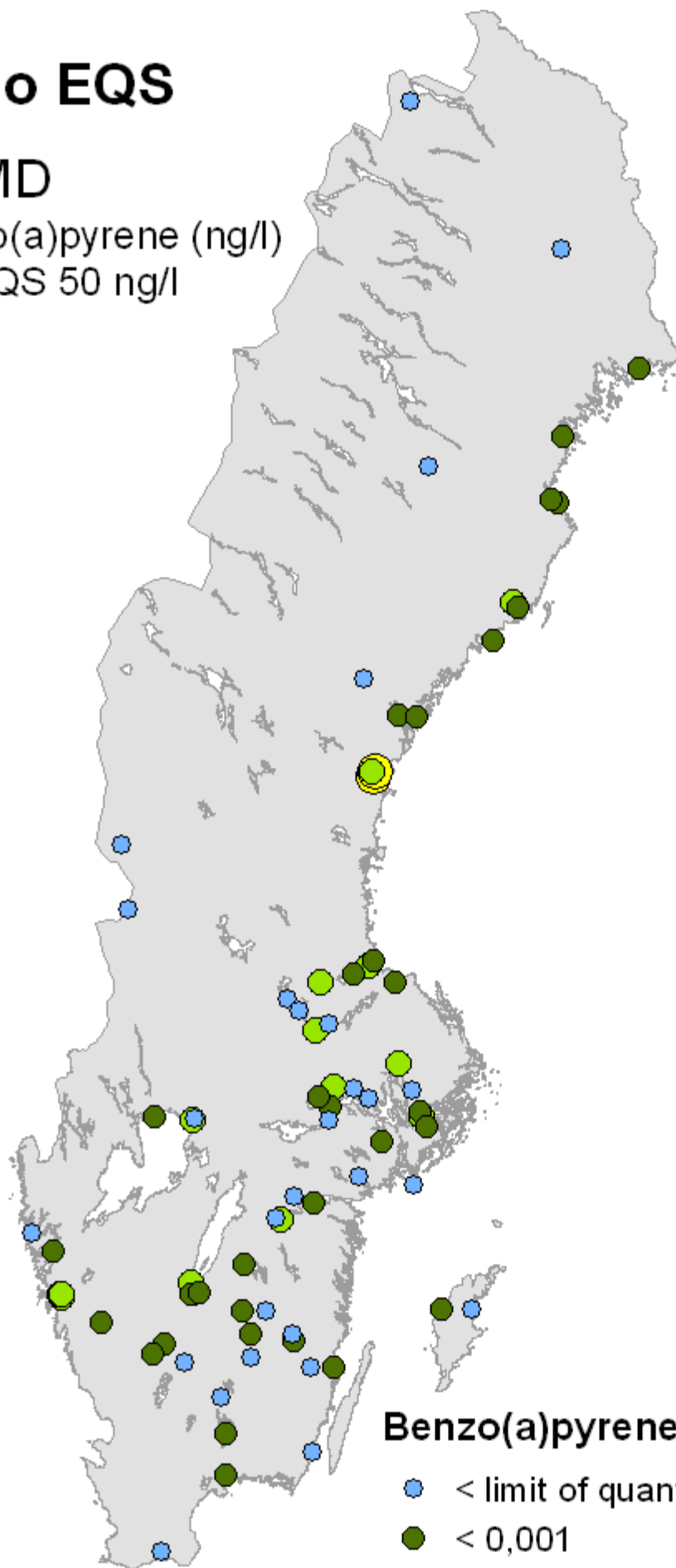
Anthracene

- < limit of quantification (0,009-0,096)
- < 0,001
- < 0,1
- < 0,5 (max 0,15)
- < 1
- > 1

Ratio EQS

SPMD

Benzo(a)pyrene (ng/l)
AA-EQS 50 ng/l



Benzo(a)pyrene

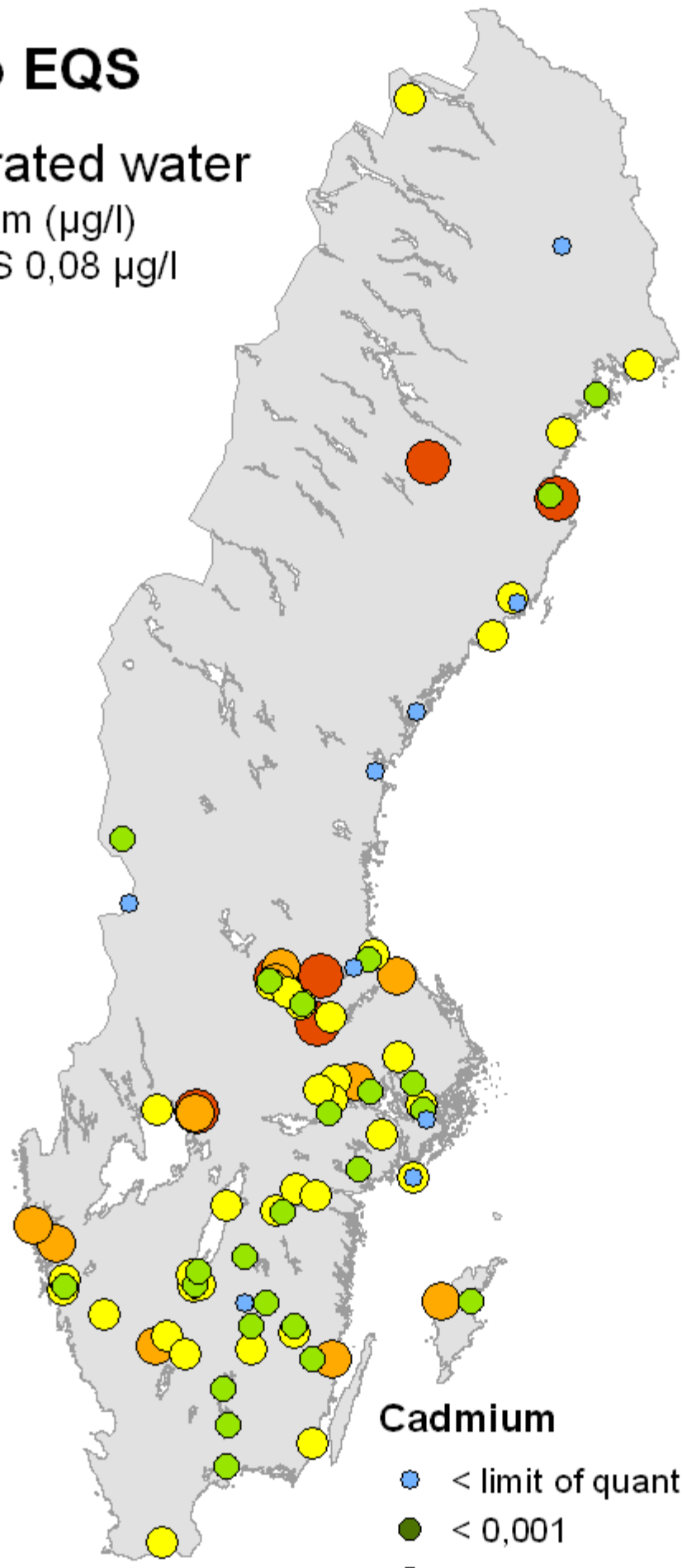
- < limit of quantification (0,004-0,02)
- < 0,001
- < 0,1
- < 0,5 (max 0,18)
- < 1
- > 1

Ratio EQS

Unfiltered water

Cadmium ($\mu\text{g/l}$)

AA-EQS 0,08 $\mu\text{g/l}$



Cadmium

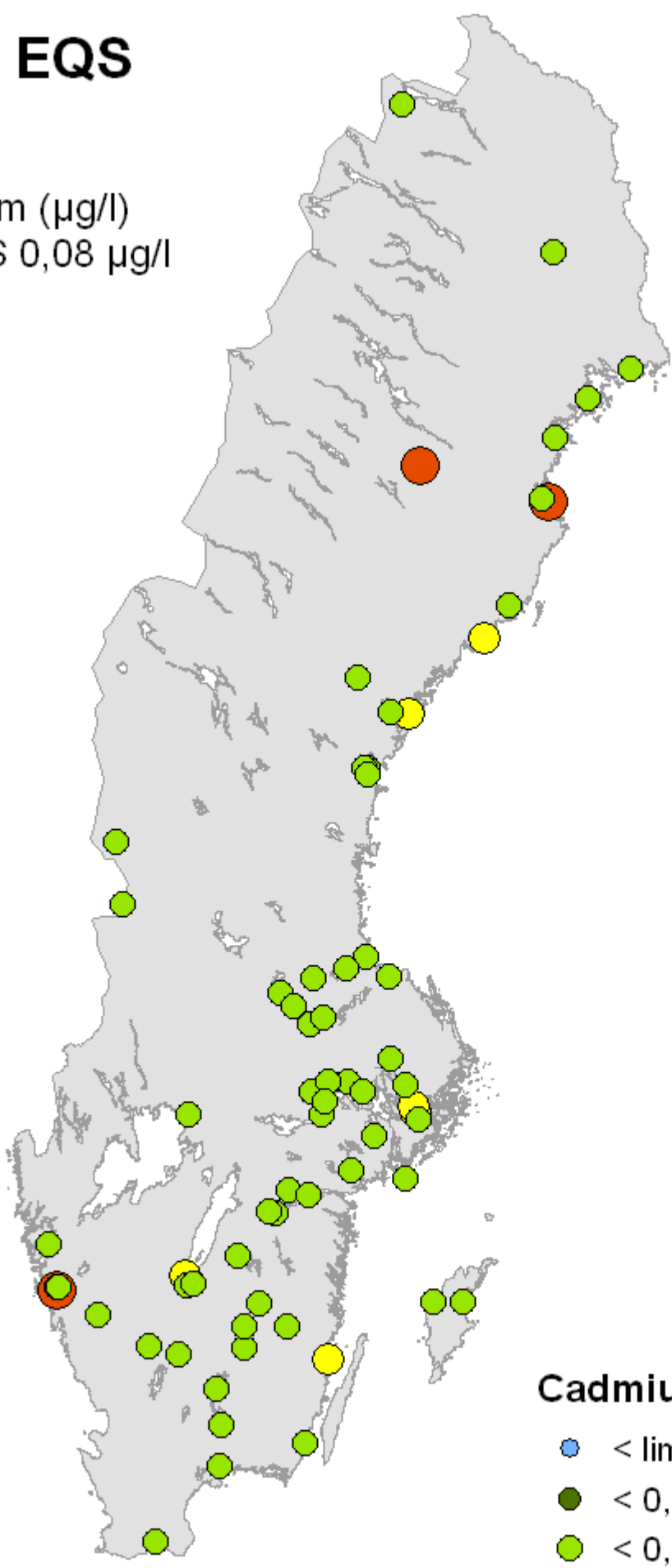
- < limit of quantification (0,002-0,05)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 8,6)

Ratio EQS

DGT

Cadmium ($\mu\text{g/l}$)

AA-EQS 0,08 $\mu\text{g/l}$



Cadmium

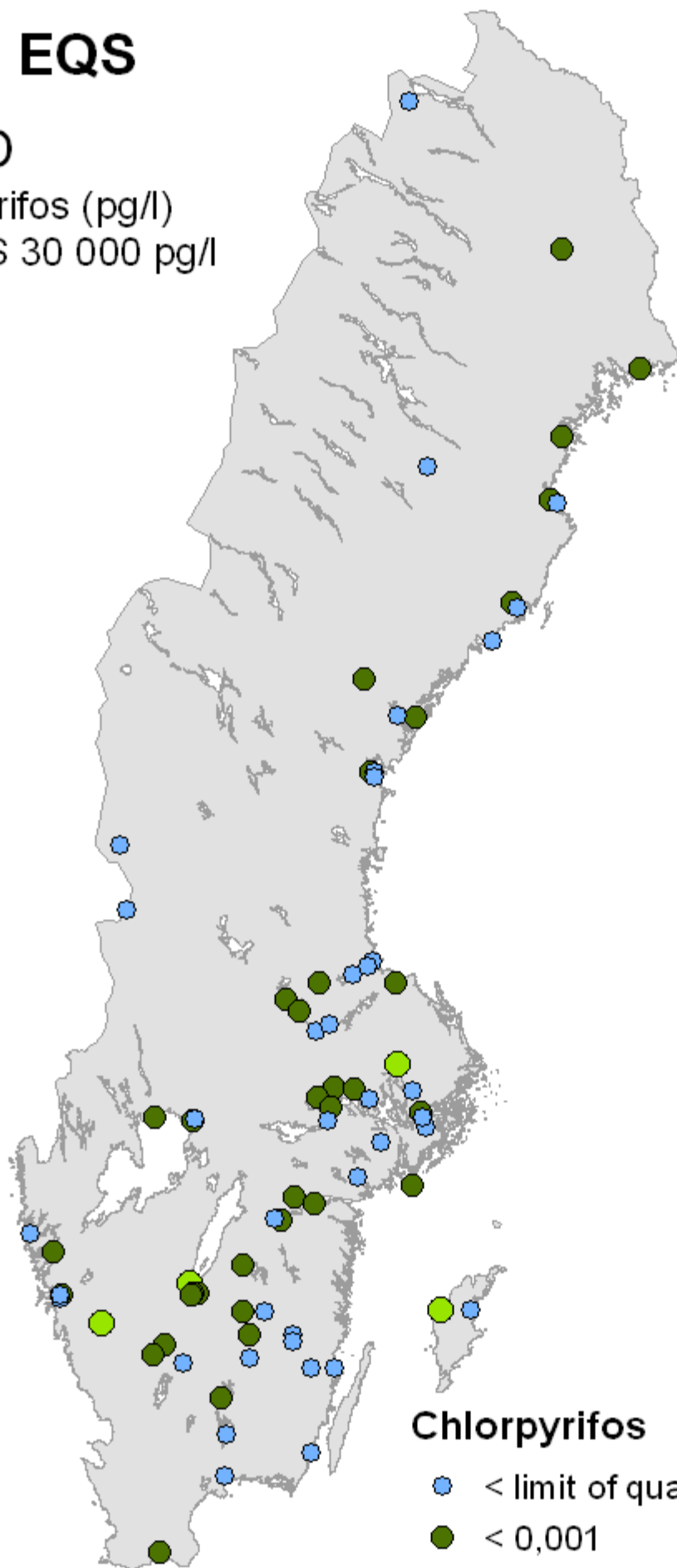
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 4,9)

Ratio EQS

SPMD

Chlorpyrifos (pg/l)

AA-EQS 30 000 pg/l



Chlorpyrifos

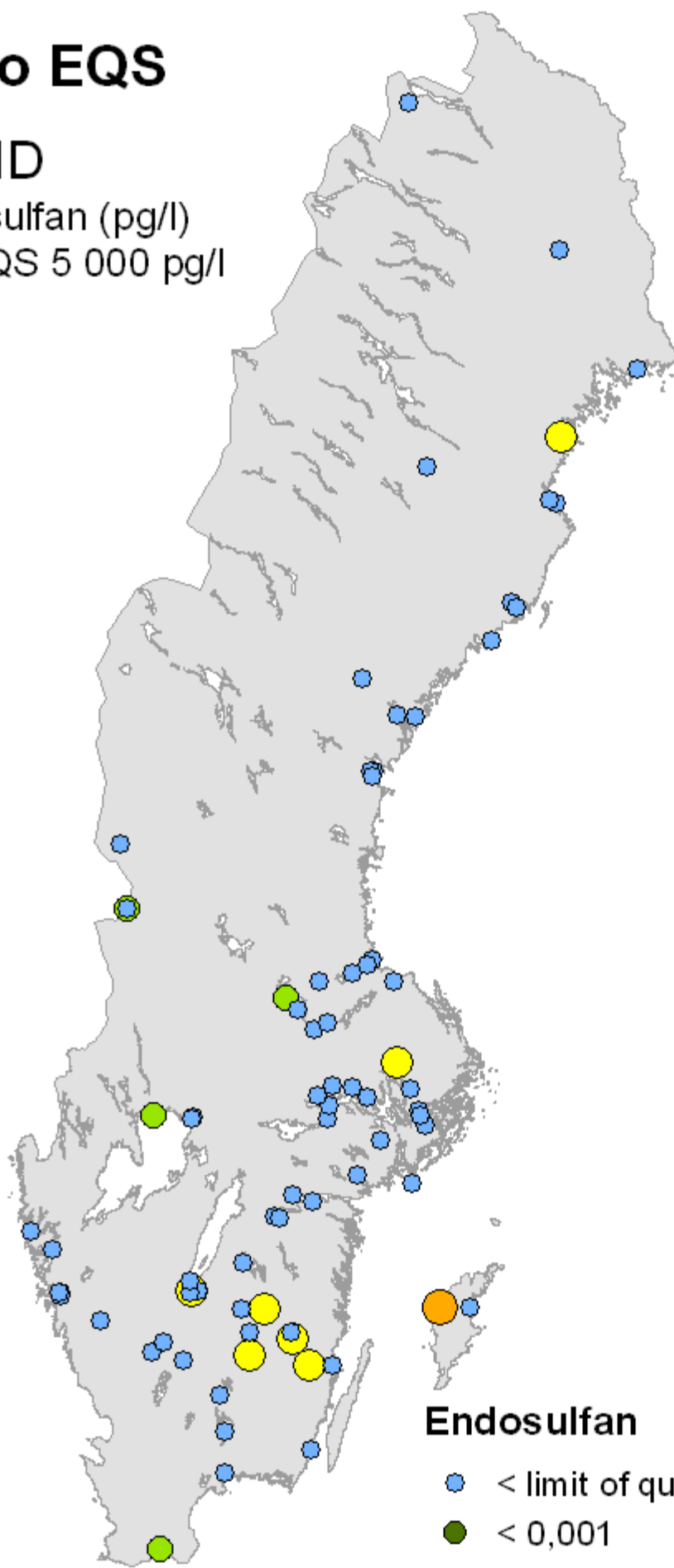
- < limit of quantification (0,7-13)
- < 0,001
- < 0,1 (max 0,0067)
- < 0,5
- < 1
- > 1

Ratio EQS

SPMD

Endosulfan (pg/l)

AA-EQS 5 000 pg/l



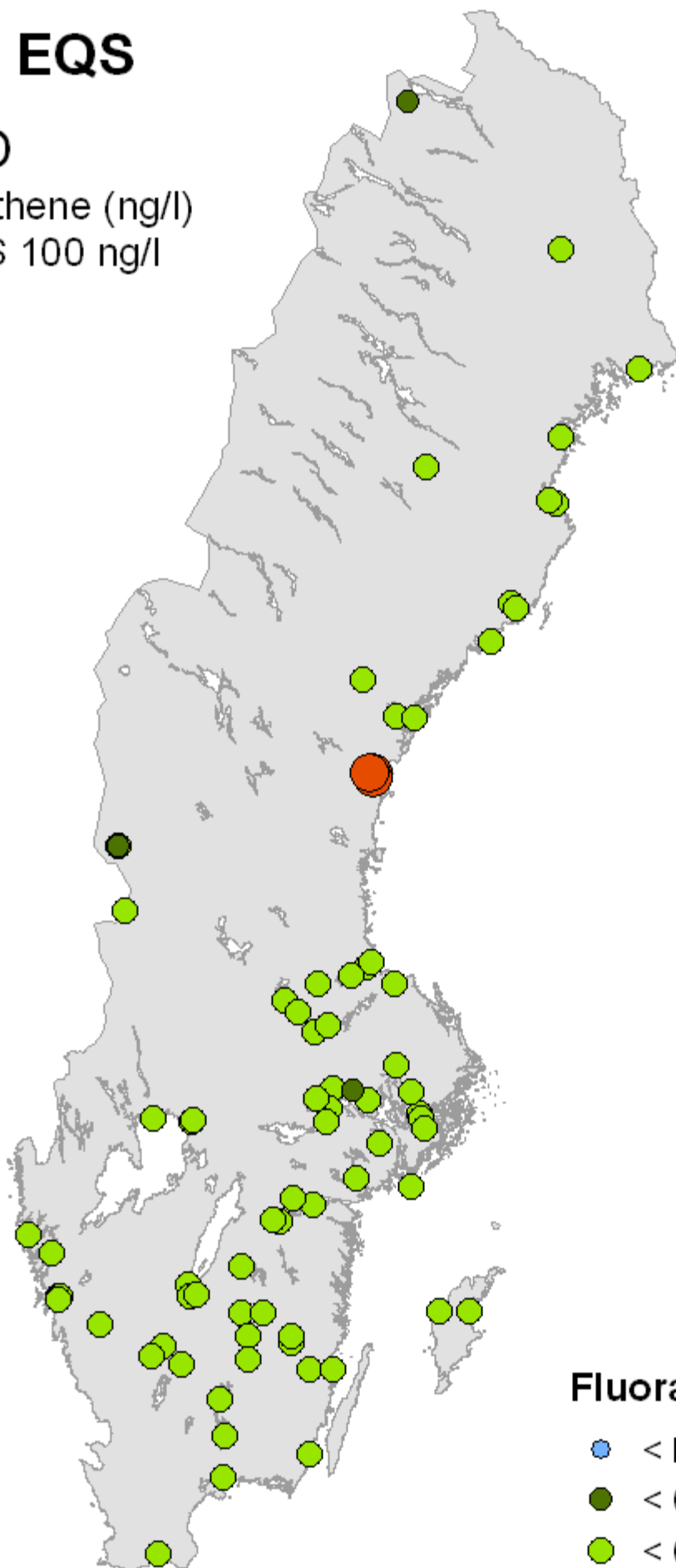
Endosulfan

- < limit of quantification (125-580)
- < 0,001
- < 0,1
- < 0,5 (max 0,57)
- < 1
- > 1

Ratio EQS

SPMD

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



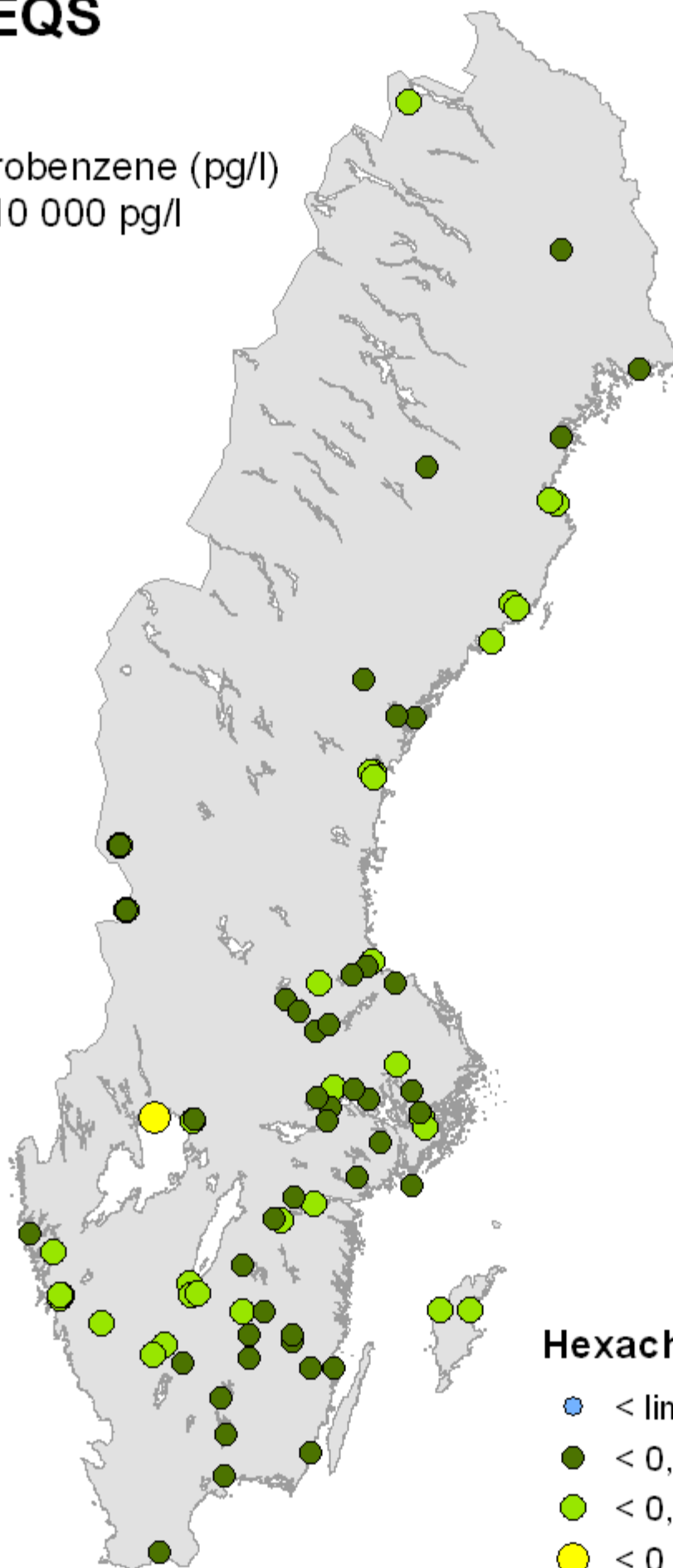
Fluoranthene

- < limit of quantification
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 3,2)

Ratio EQS

SPMD

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



Hexachlorobenzene

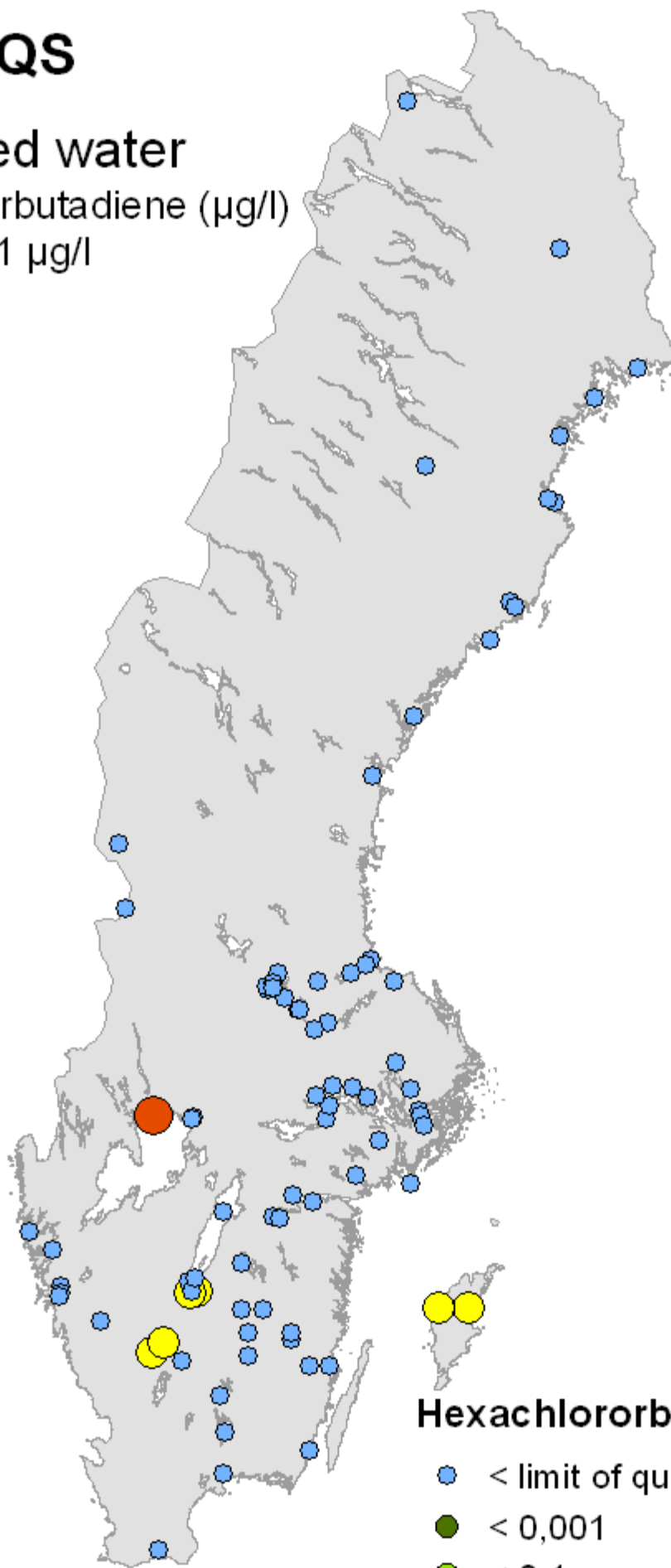
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5 (max 0,41)
- < 1
- > 1

Ratio EQS

Unfiltered water

Hexachlororbutadiene ($\mu\text{g/l}$)

AA-EQS 0,1 $\mu\text{g/l}$



Hexachlororbutadiene

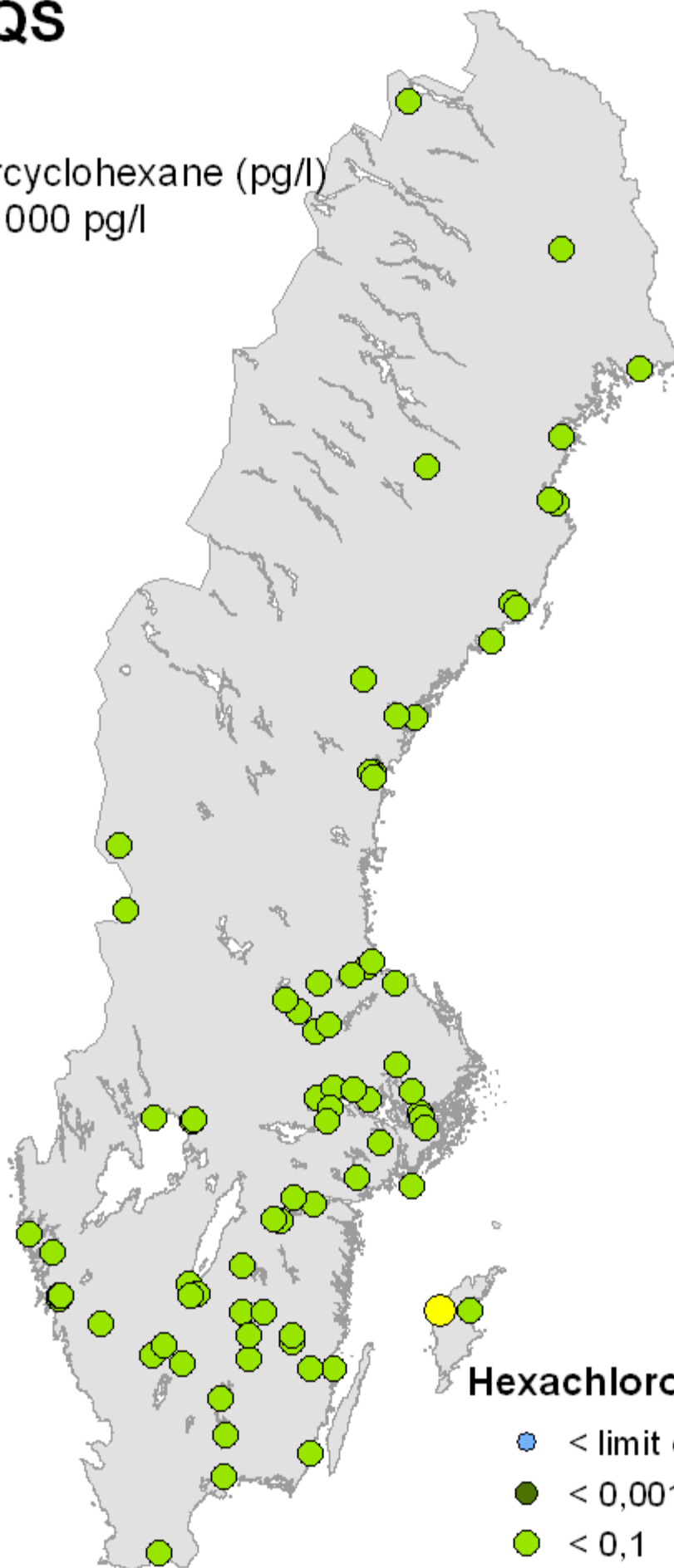
- < limit of quantification (0,01)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 1,9)

Ratio EQS

SPMD

Hexachlororcylohexane (pg/l)

AA-EQS 20 000 pg/l



Hexachlororcylohexane

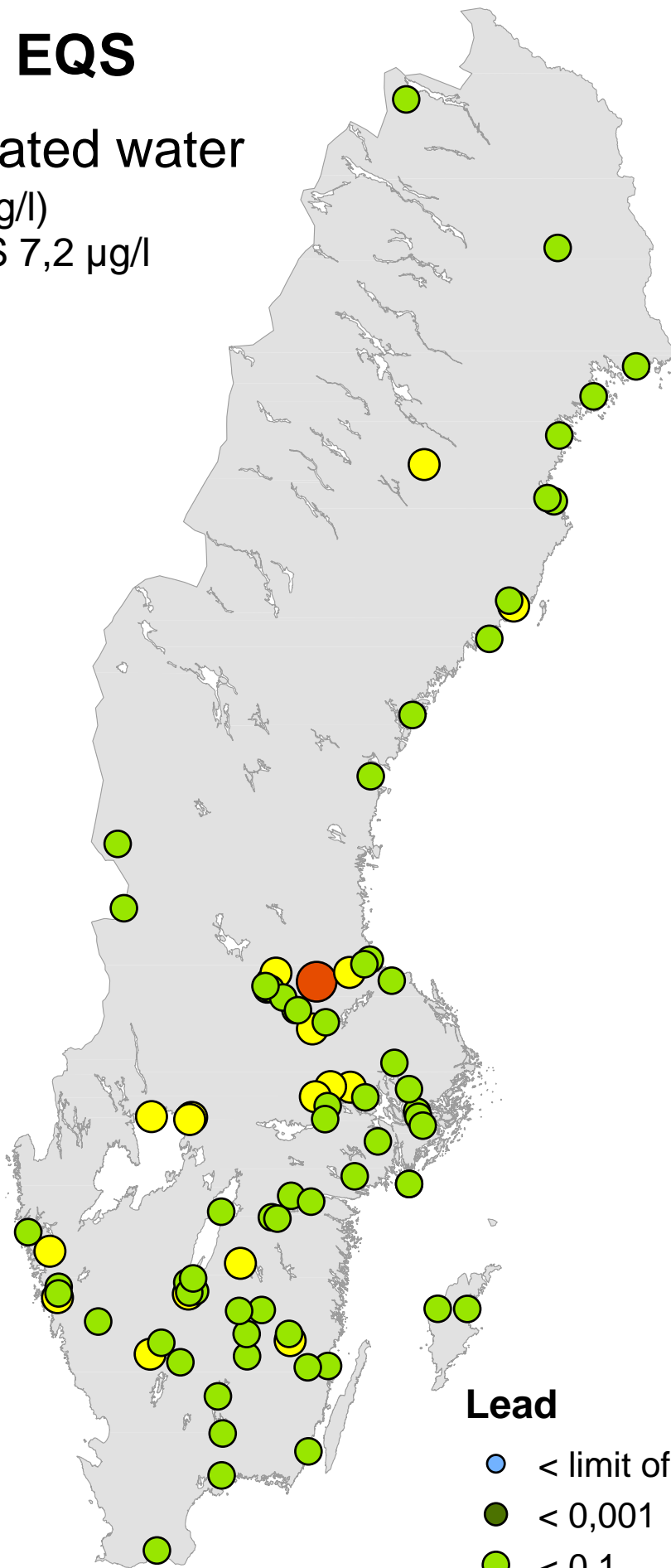
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5 (max 0,11)
- < 1
- > 1

Ratio EQS

Unfiltered water

Lead ($\mu\text{g/l}$)

AA-EQS 7,2 $\mu\text{g/l}$



Lead

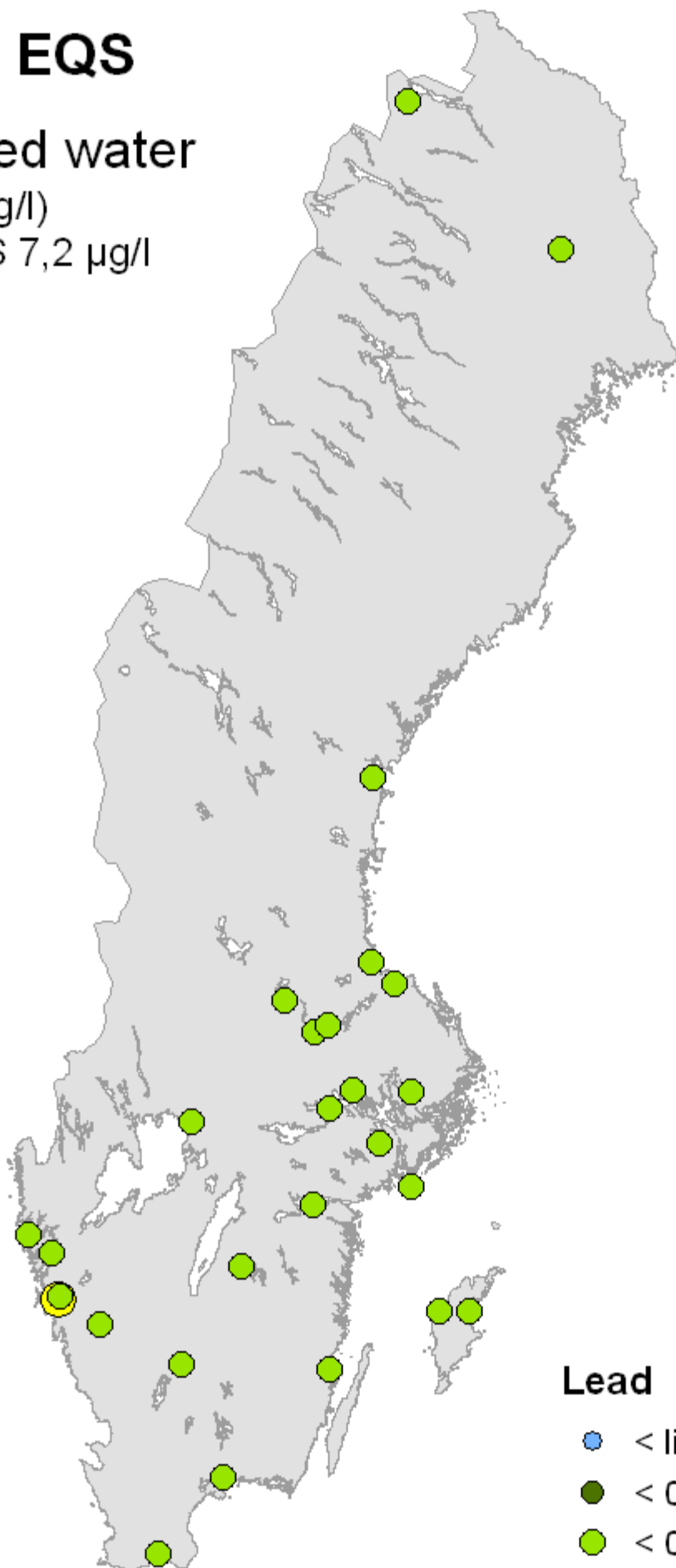
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 4,25)

Ratio EQS

Filtrated water

Lead ($\mu\text{g/l}$)

AA-EQS 7,2 $\mu\text{g/l}$



Lead

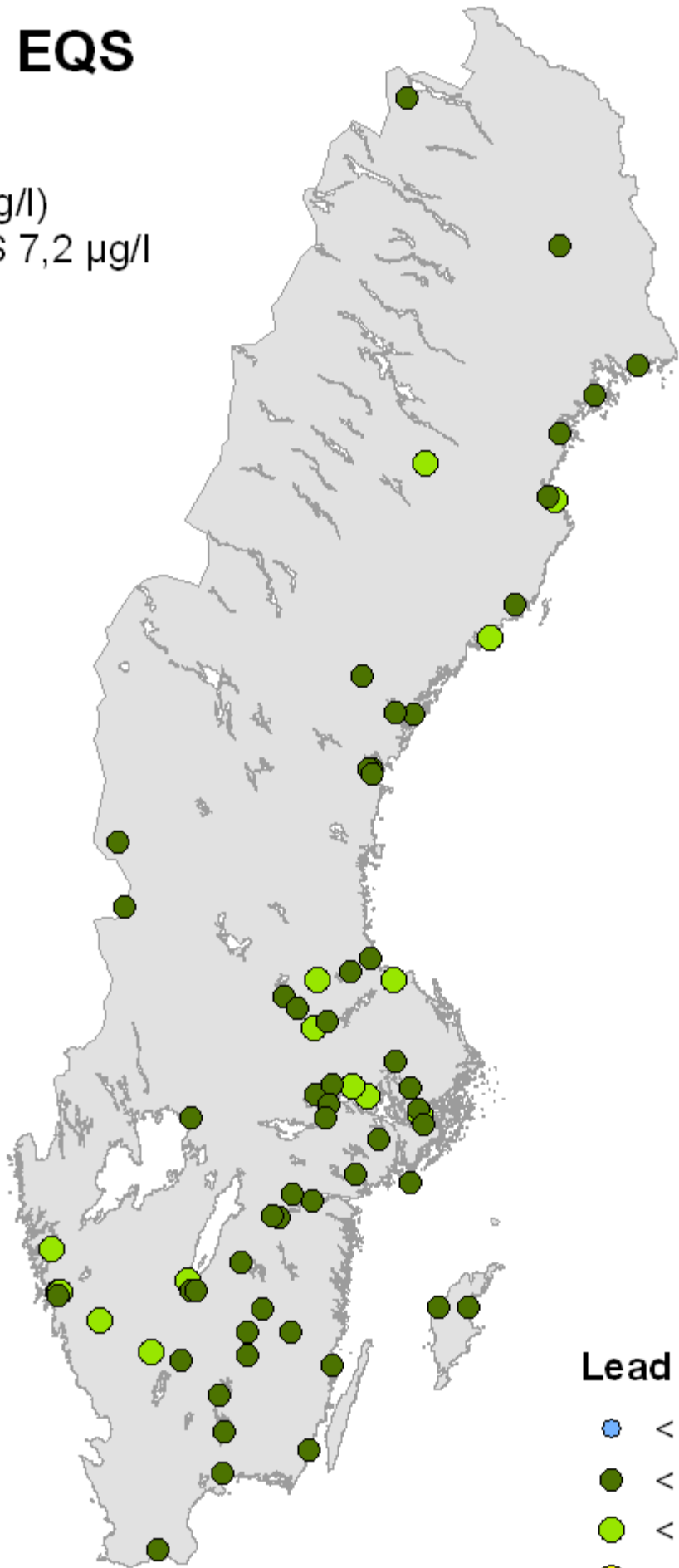
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5 (max 0,11)
- < 1
- > 1

Ratio EQS

DGT

Lead ($\mu\text{g/l}$)

AA-EQS 7,2 $\mu\text{g/l}$



Lead

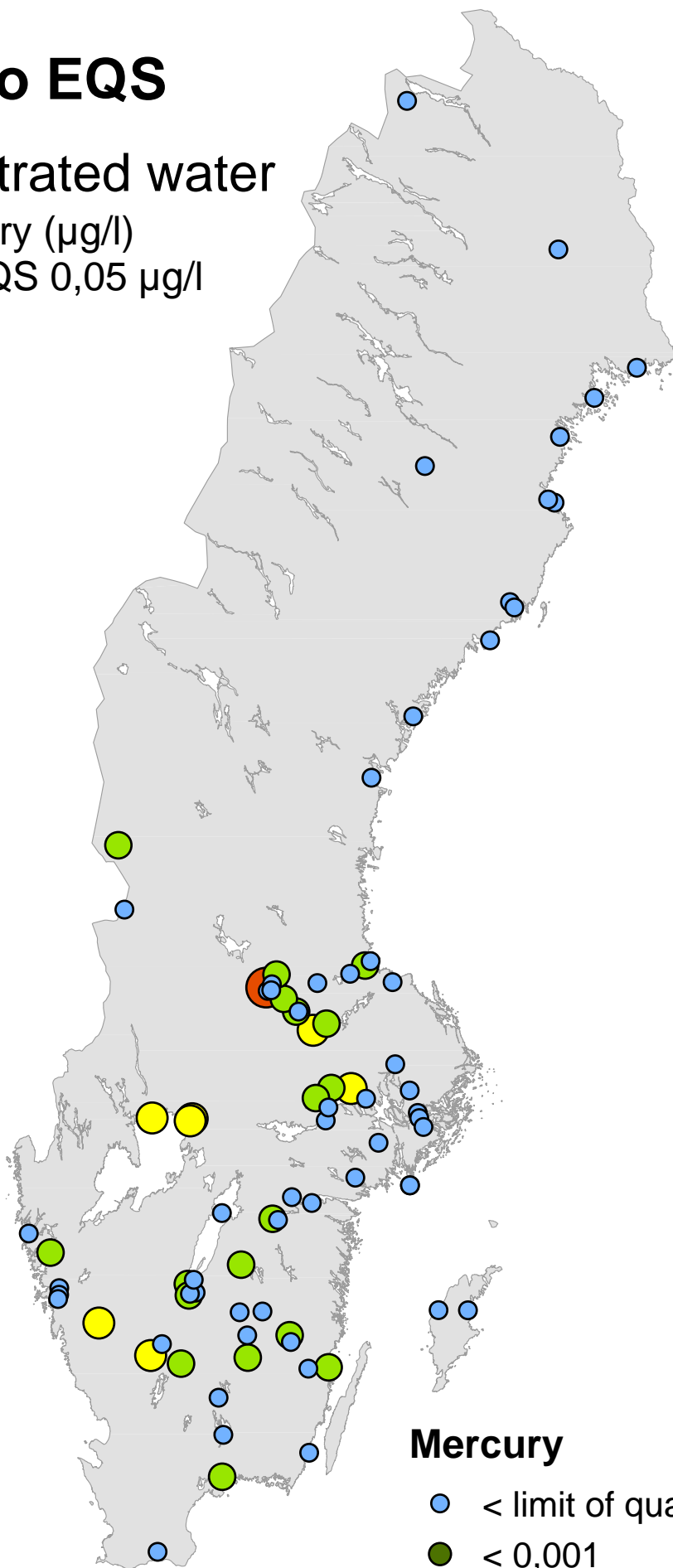
- < limit of quantification
- < 0,001
- < 0,1 (max 0,018)
- < 0,5
- < 1
- > 1

Ratio EQS

Unfiltered water

Mercury ($\mu\text{g/l}$)

AA-EQS 0,05 $\mu\text{g/l}$



Mercury

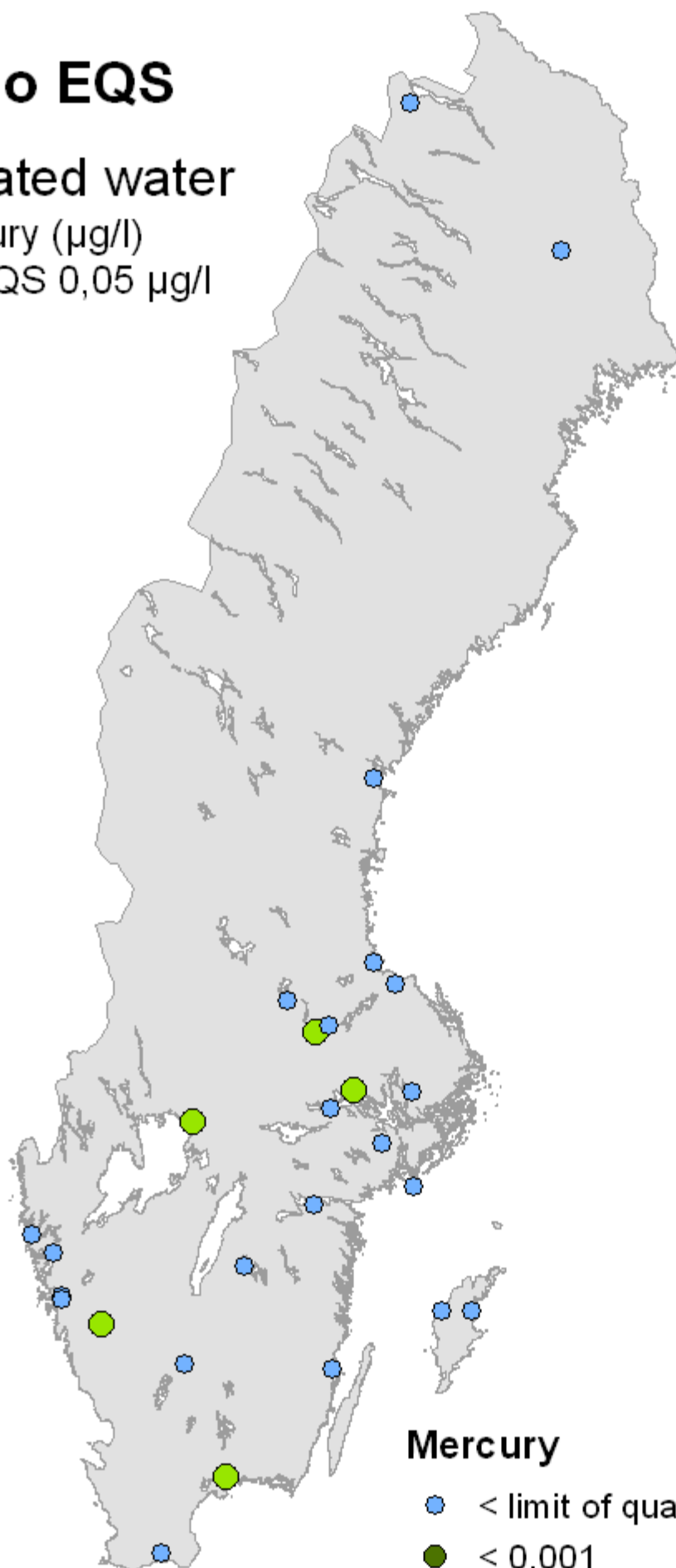
- < limit of quantification (0,002-0,02)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 3,84)

Ratio EQS

Filtrated water

Mercury ($\mu\text{g/l}$)

AA-EQS 0,05 $\mu\text{g/l}$



Mercury

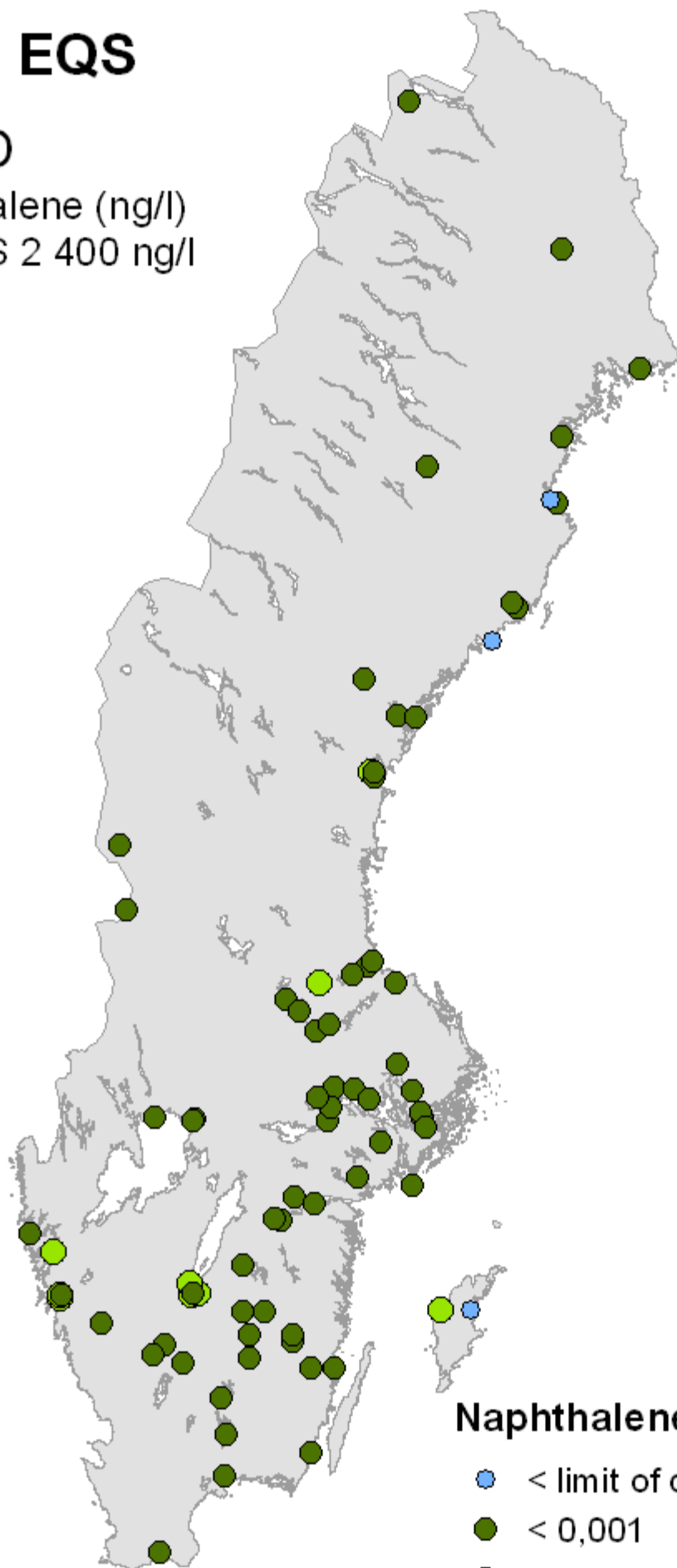
- < limit of quantification (0,002-0,02)
- < 0,001
- < 0,1 (max 0,098)
- < 0,5
- < 1
- > 1

Ratio EQS

SPMD

Naphthalene (ng/l)

AA-EQS 2 400 ng/l



Naphthalene

● < limit of quantification (0,85)

● < 0,001

● < 0,1 (max 0,0071)

● < 0,5

● < 1

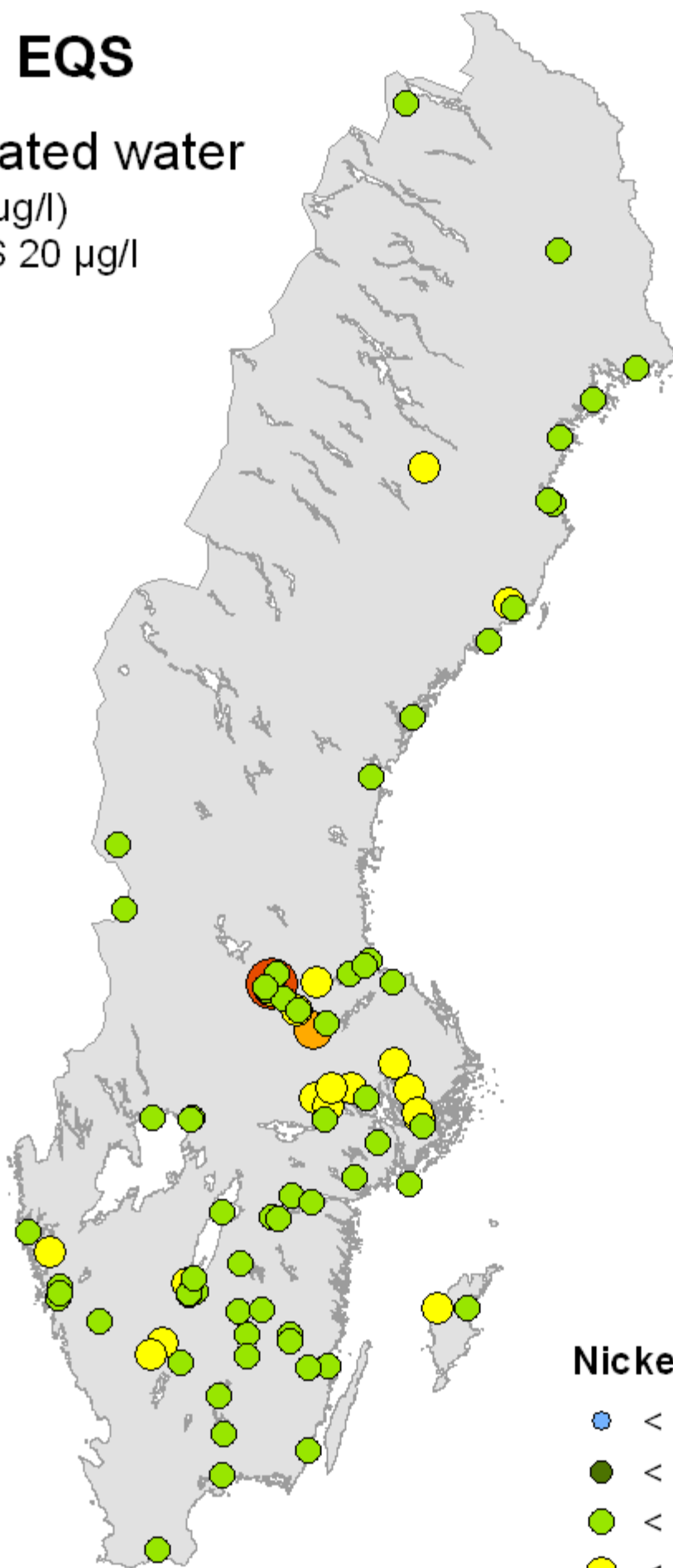
● > 1

Ratio EQS

Unfiltered water

Nickel ($\mu\text{g/l}$)

AA-EQS 20 $\mu\text{g/l}$



Nickel

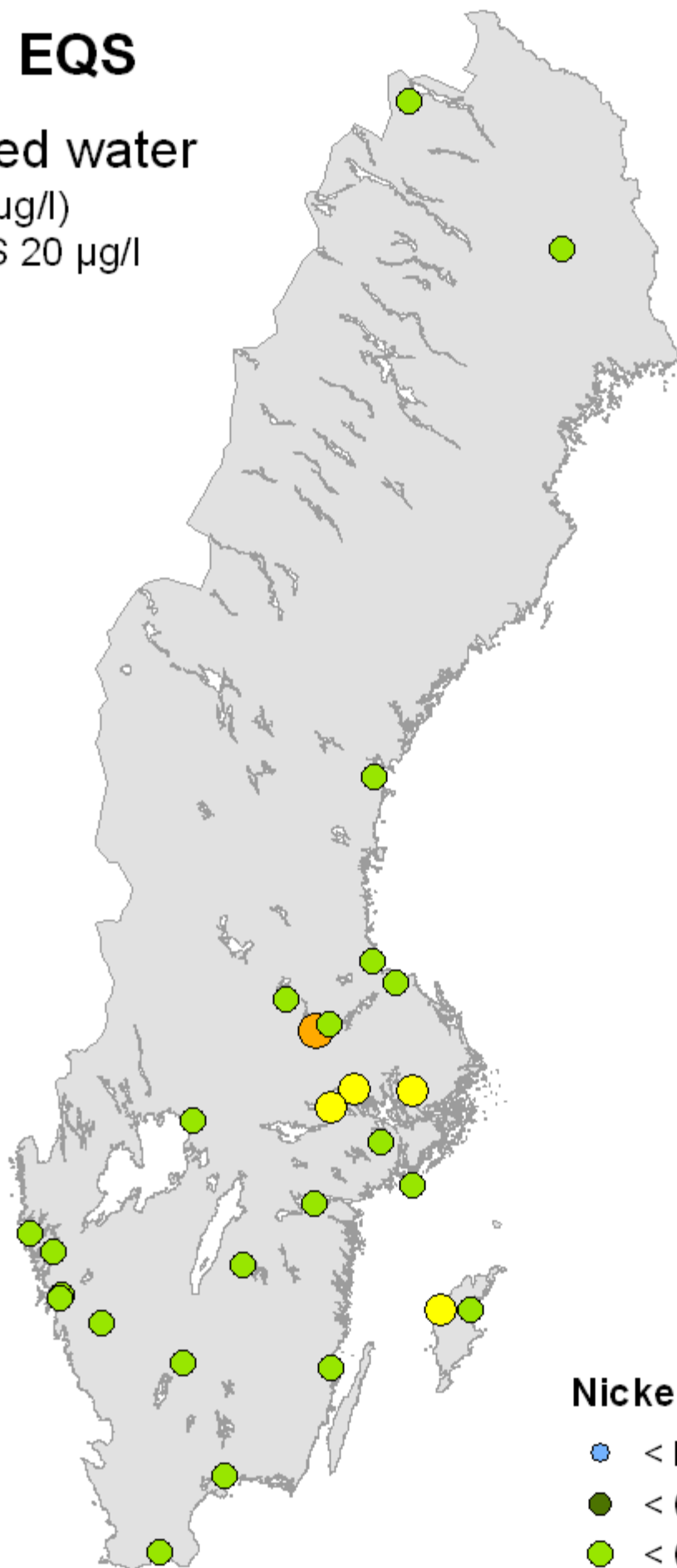
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 1,26)

Ratio EQS

Filtrated water

Nickel ($\mu\text{g/l}$)

AA-EQS 20 $\mu\text{g/l}$



Nickel

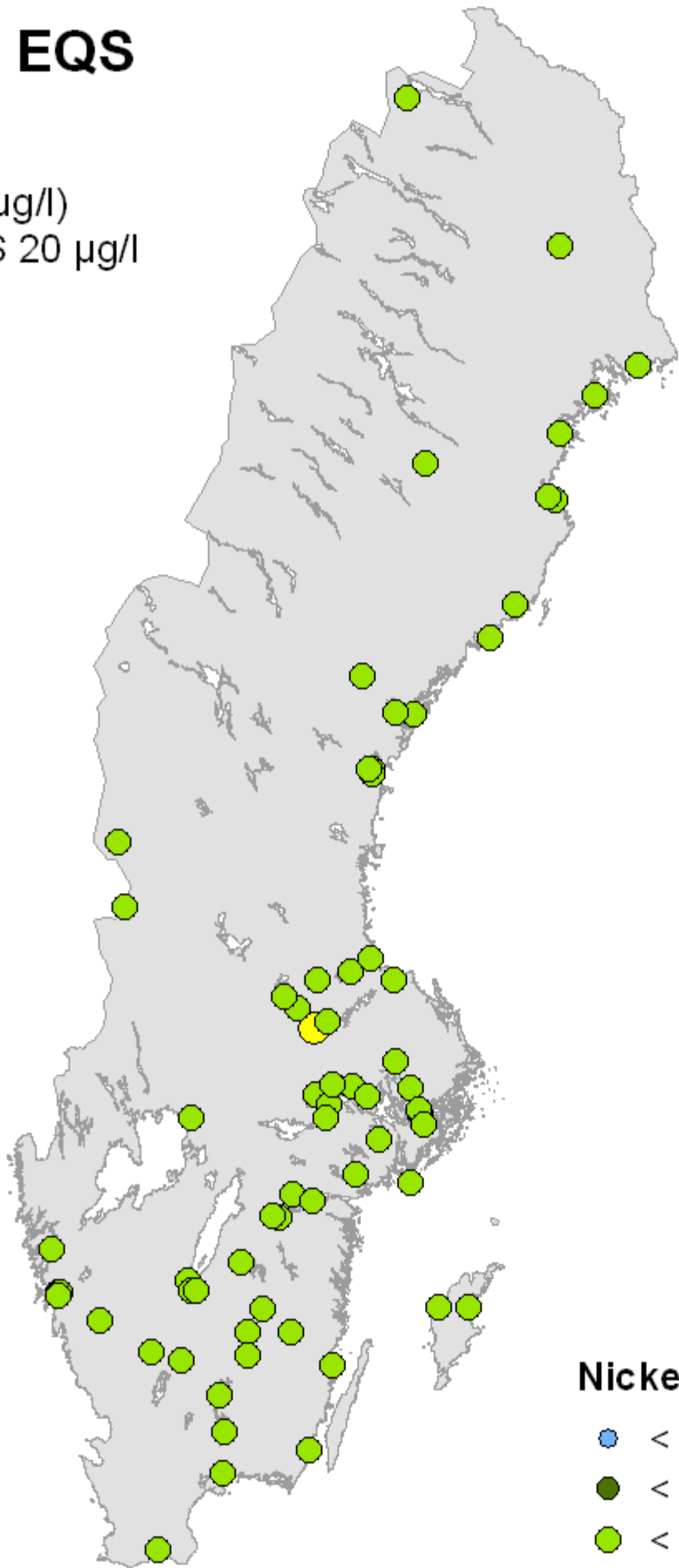
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5
- <1 (max 0,58)
- > 1

Ratio EQS

DGT

Nickel ($\mu\text{g/l}$)

AA-EQS 20 $\mu\text{g/l}$



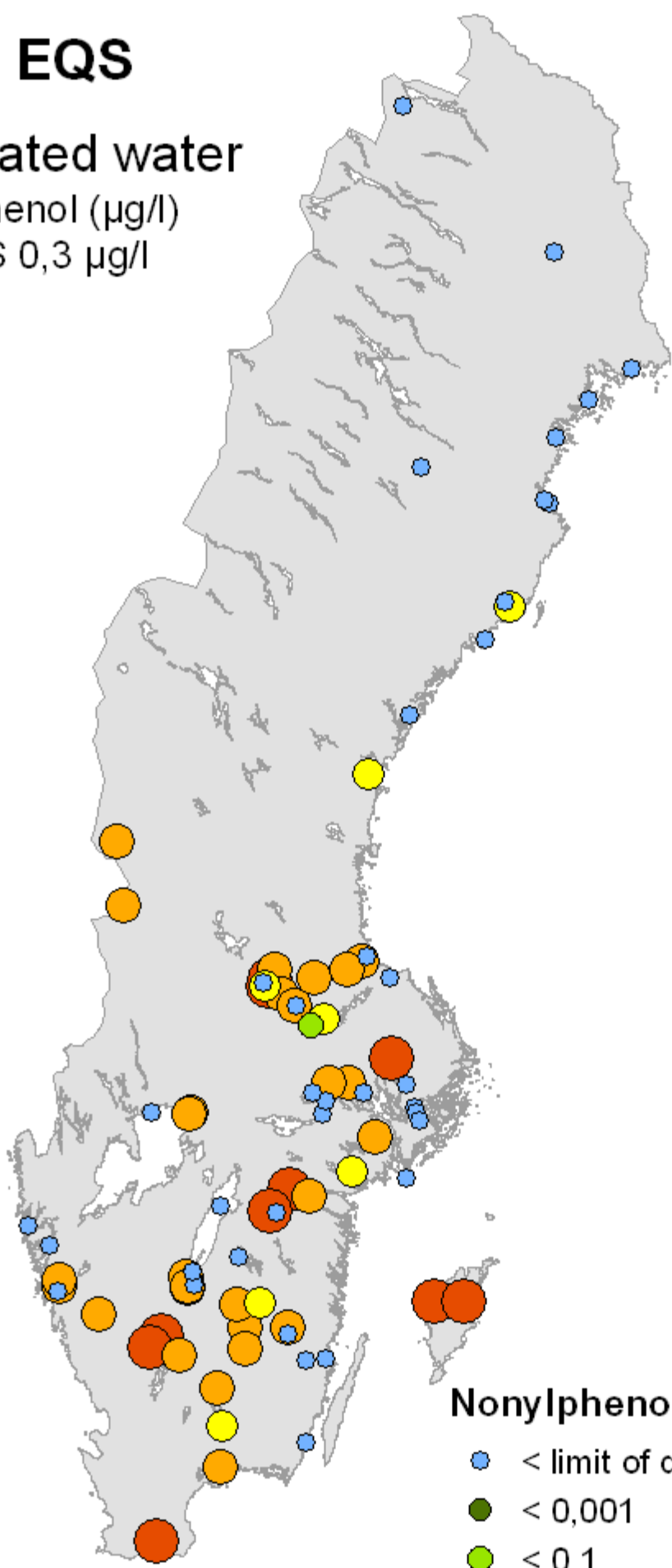
Nickel

- < limit of quantification
- < 0,001
- < 0,1
- < 0,5 (max 0,15)
- < 1
- > 1

Ratio EQS

Unfiltered water

Nonylphenol ($\mu\text{g/l}$)
AA-EQS 0,3 $\mu\text{g/l}$



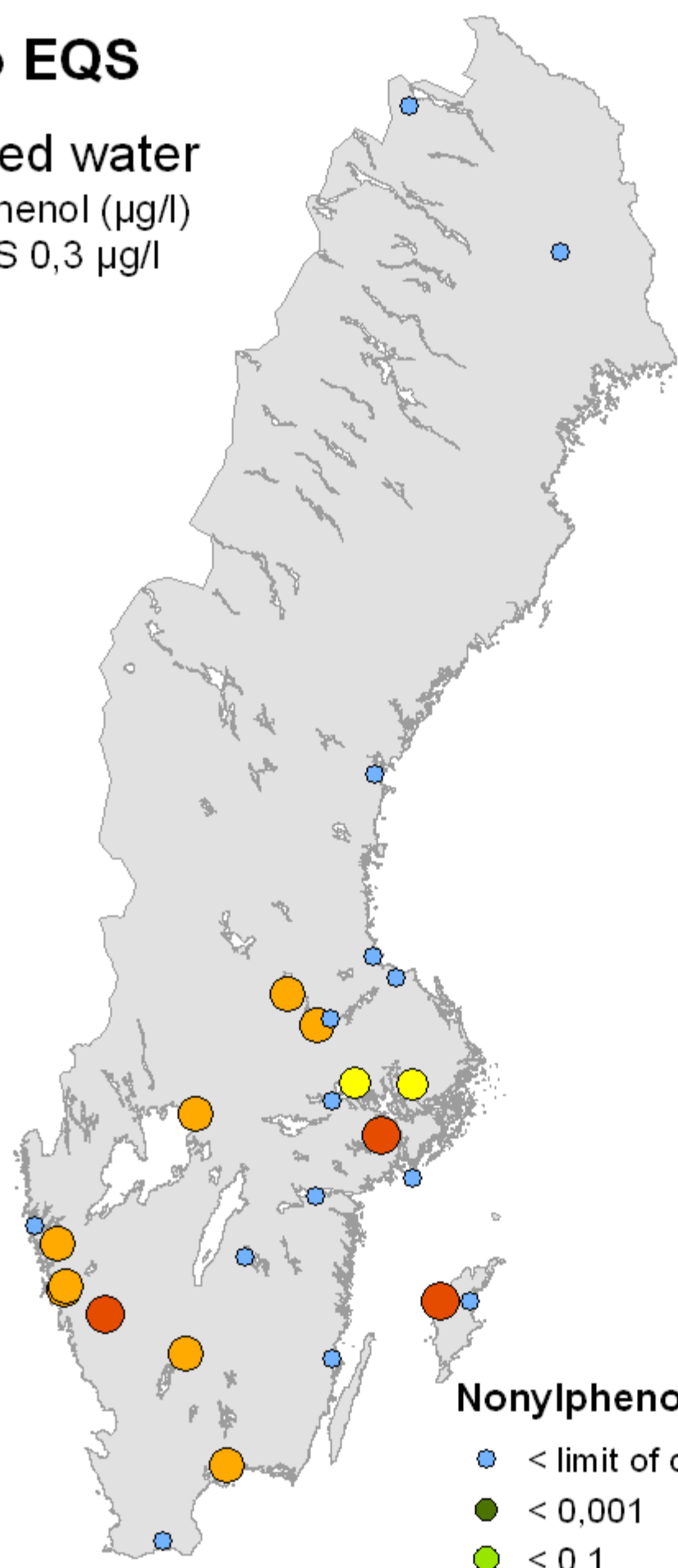
Nonylphenol

- < limit of quantification (0,055)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 3,68)

Ratio EQS

Filtrated water

Nonylphenol ($\mu\text{g/l}$)
AA-EQS 0,3 $\mu\text{g/l}$



Nonylphenol

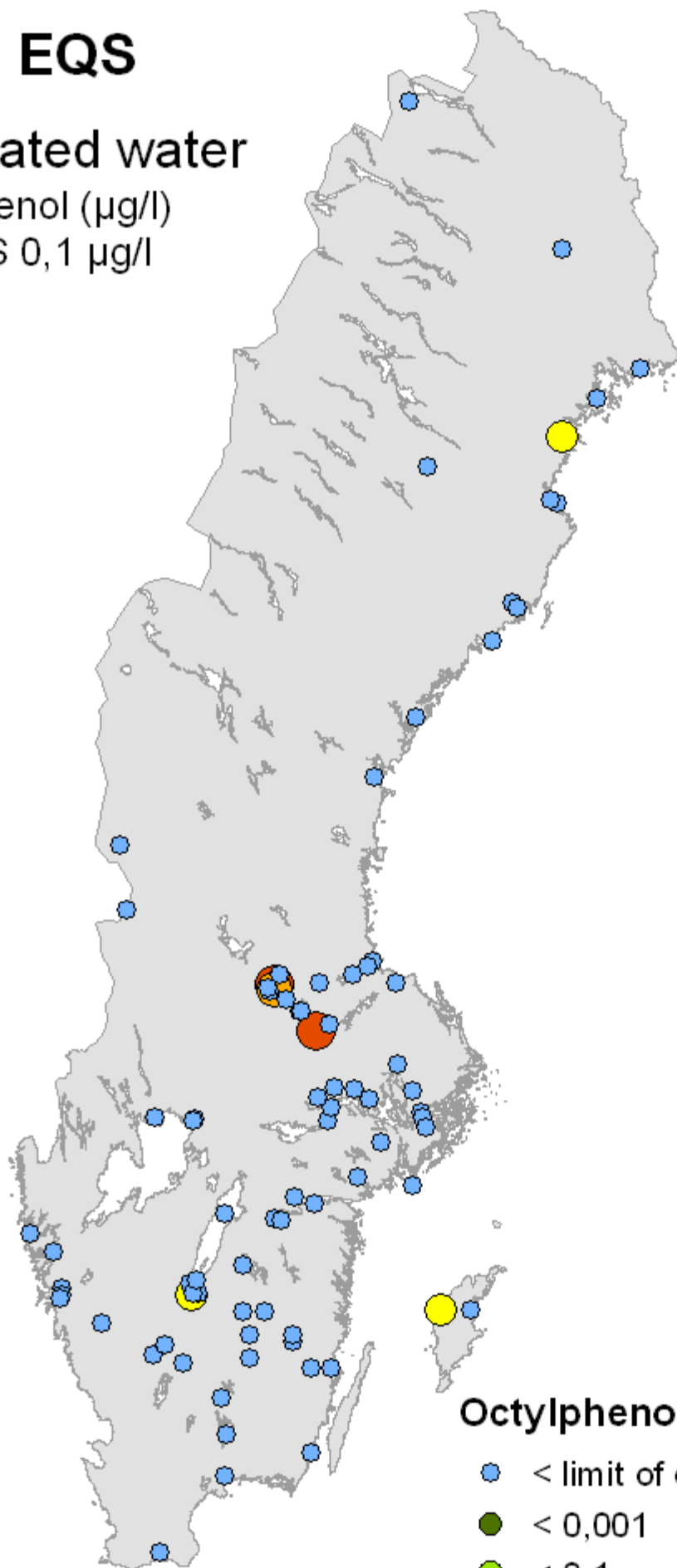
- < limit of quantification (0,055)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 2,35)

Ratio EQS

Unfiltered water

Octylphenol ($\mu\text{g/l}$)

AA-EQS 0,1 $\mu\text{g/l}$



Octylphenol

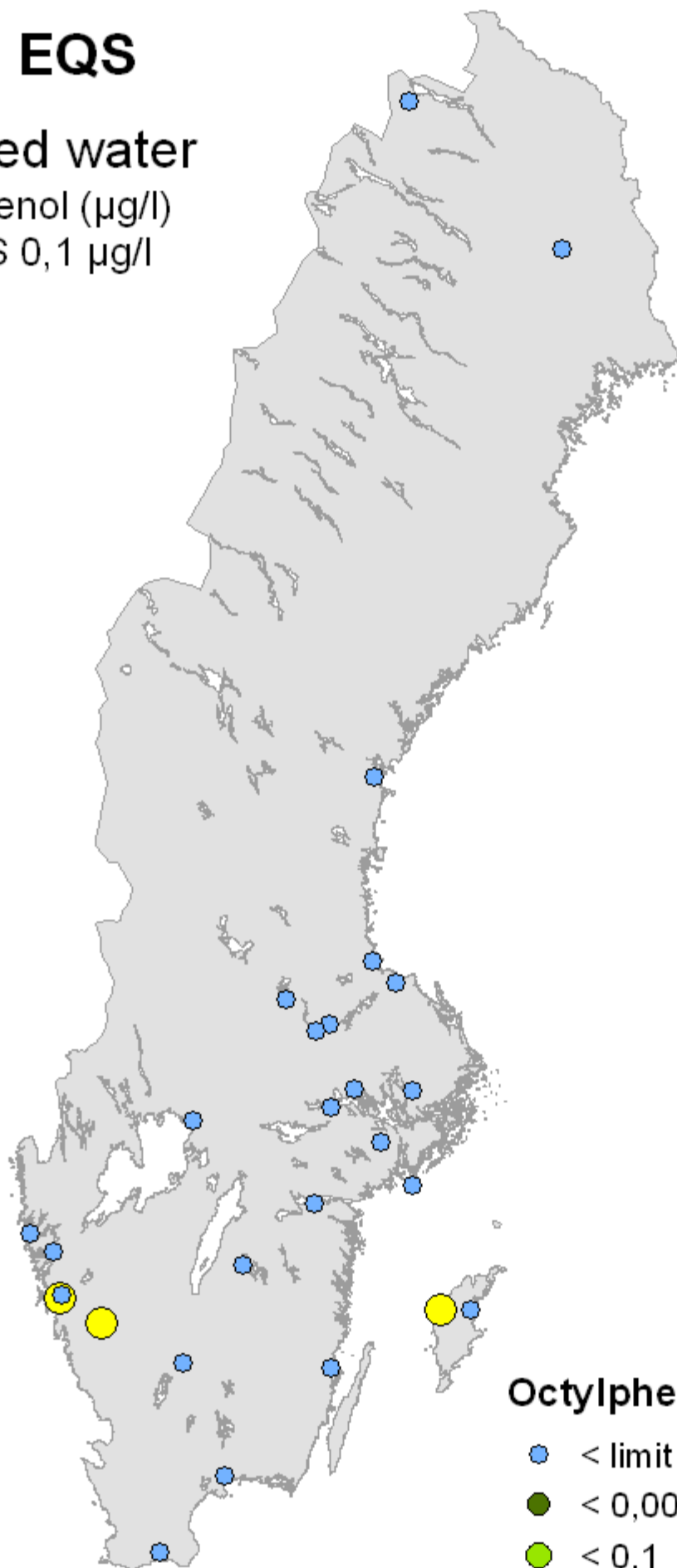
- < limit of quantification (0,01)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 2,05)

Ratio EQS

Filtrated water

Octylphenol ($\mu\text{g/l}$)

AA-EQS 0,1 $\mu\text{g/l}$



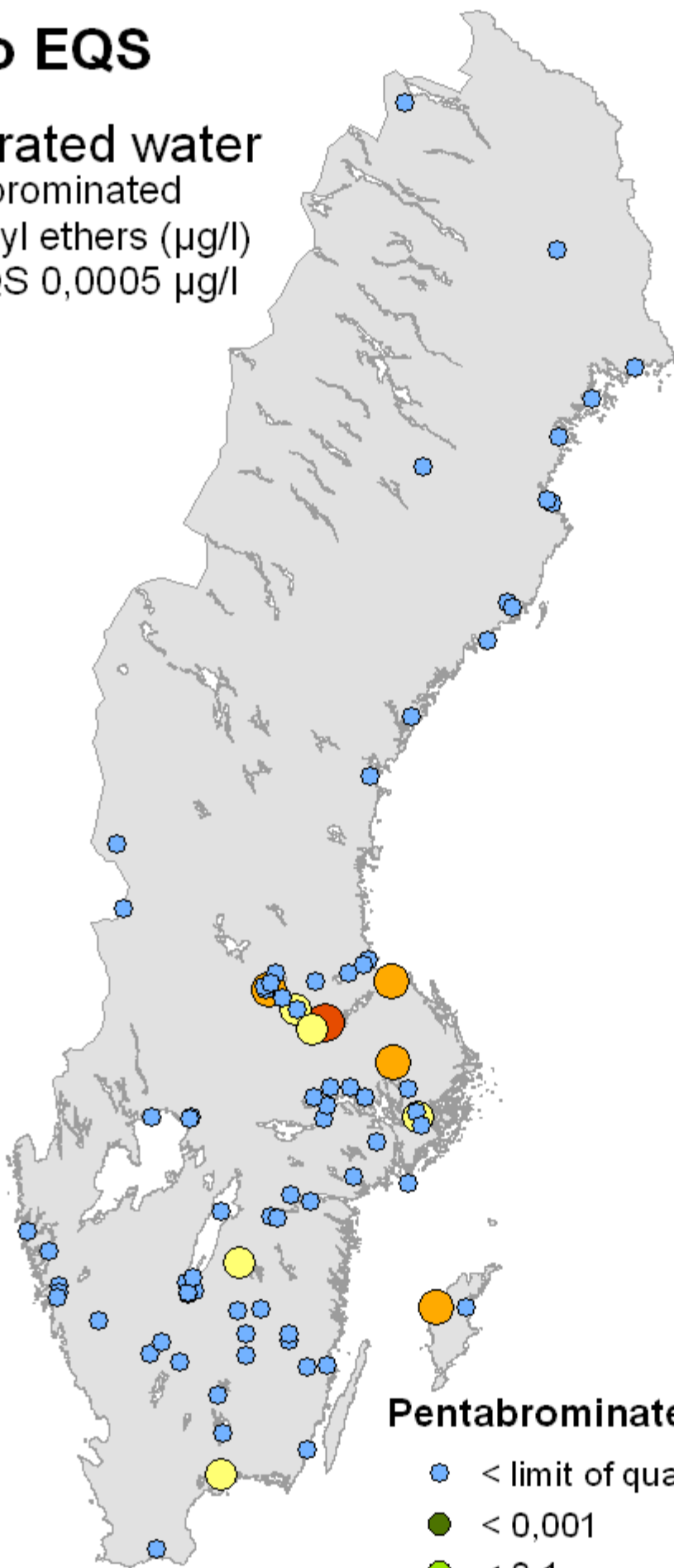
Octylphenol

- < limit of quantification (0,01)
- < 0,001
- < 0,1
- < 0,5 (max 0,31)
- < 1
- > 1

Ratio EQS

Unfiltered water

Pentabrominated
diphenyl ethers ($\mu\text{g/l}$)
AA-EQS 0,0005 $\mu\text{g/l}$



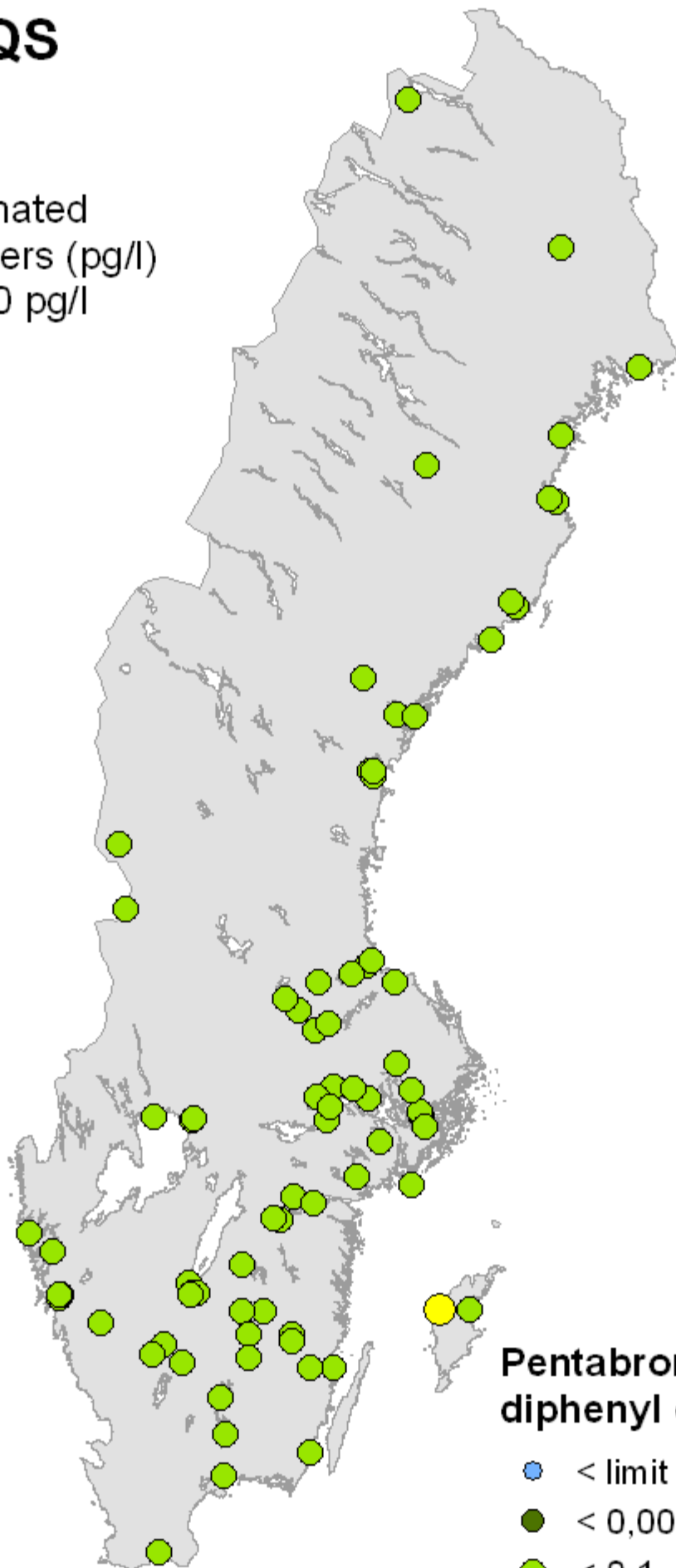
Pentabrominated diphenyl ethers

- < limit of quantification (0,00015)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 2,44)

Ratio EQS

SPMD

Pentabrominated
diphenyl ethers (pg/l)
AA-EQS 500 pg/l



Pentabrominated diphenyl ethers

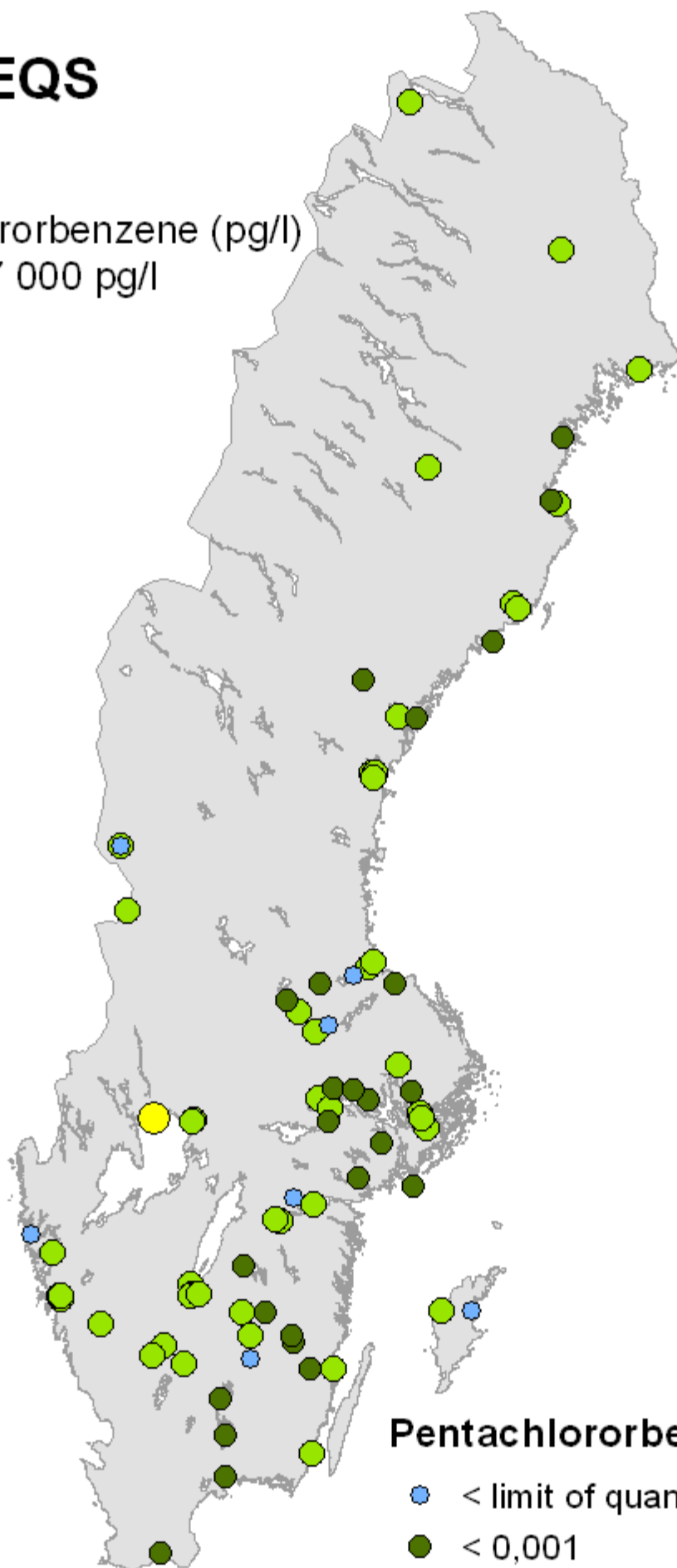
- < limit of quantification
- < 0,001
- < 0,1
- < 0,5 (max 0,11)
- < 1
- > 1

Ratio EQS

SPMD

Pentachlororbenzene (pg/l)

AA-EQS 7 000 pg/l



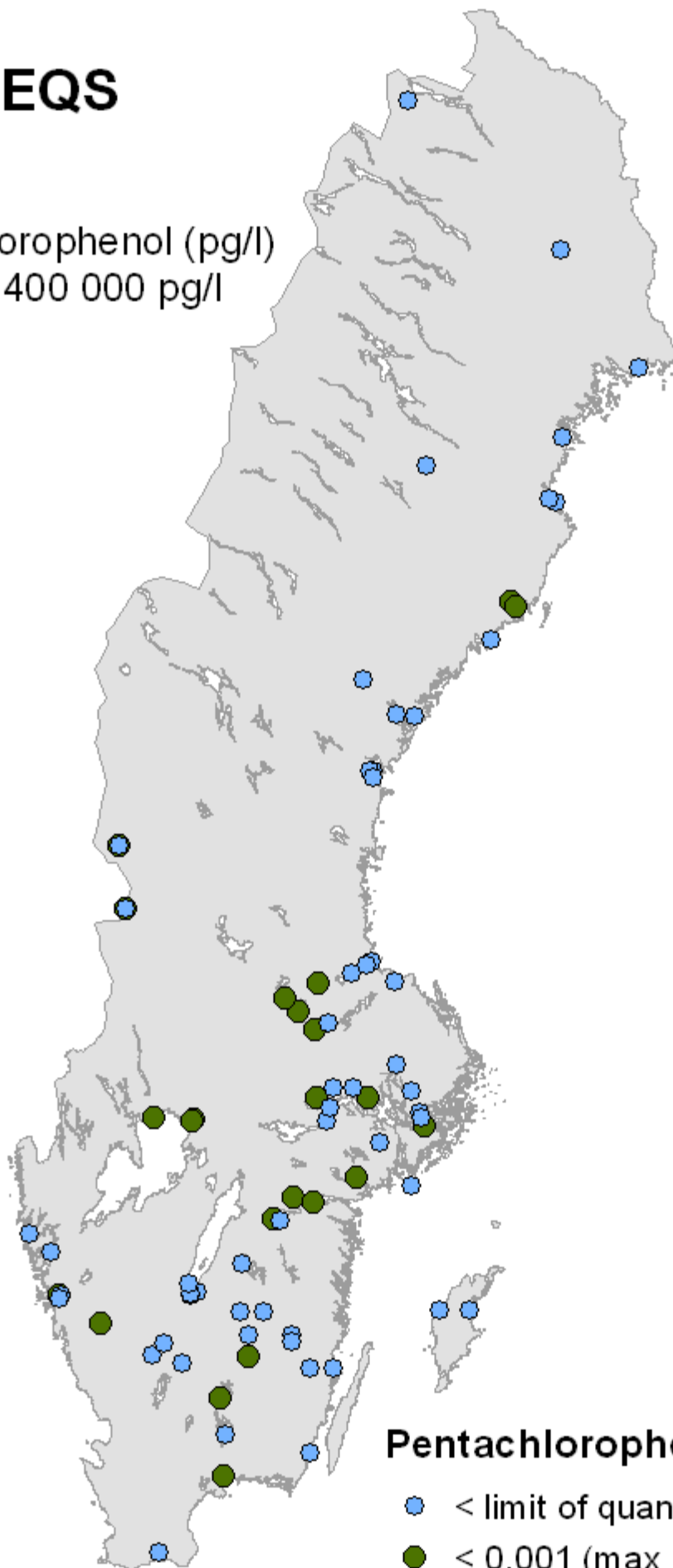
Pentachlororbenzene

- < limit of quantification (1,6-6,6)
- < 0,001
- < 0,1
- < 0,5 (max 0,48)
- < 1
- > 1

Ratio EQS

SPMD

Pentachlorophenol (pg/l)
AA-EQS 400 000 pg/l



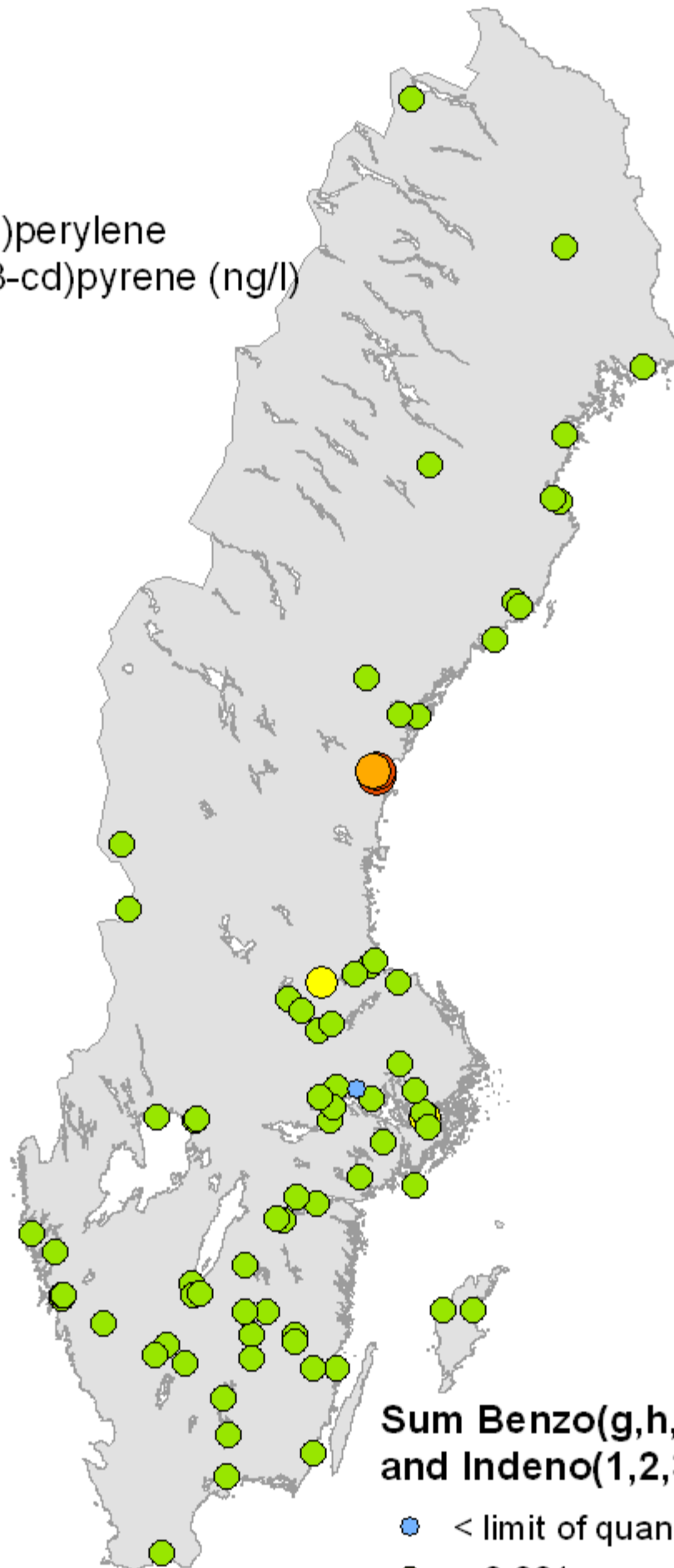
Pentachlorophenol

- < limit of quantification (0,09-20)
- < 0,001 (max 0,00015)
- < 0,1
- < 0,5
- < 1
- > 1

Ratio EQS

SPMD

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



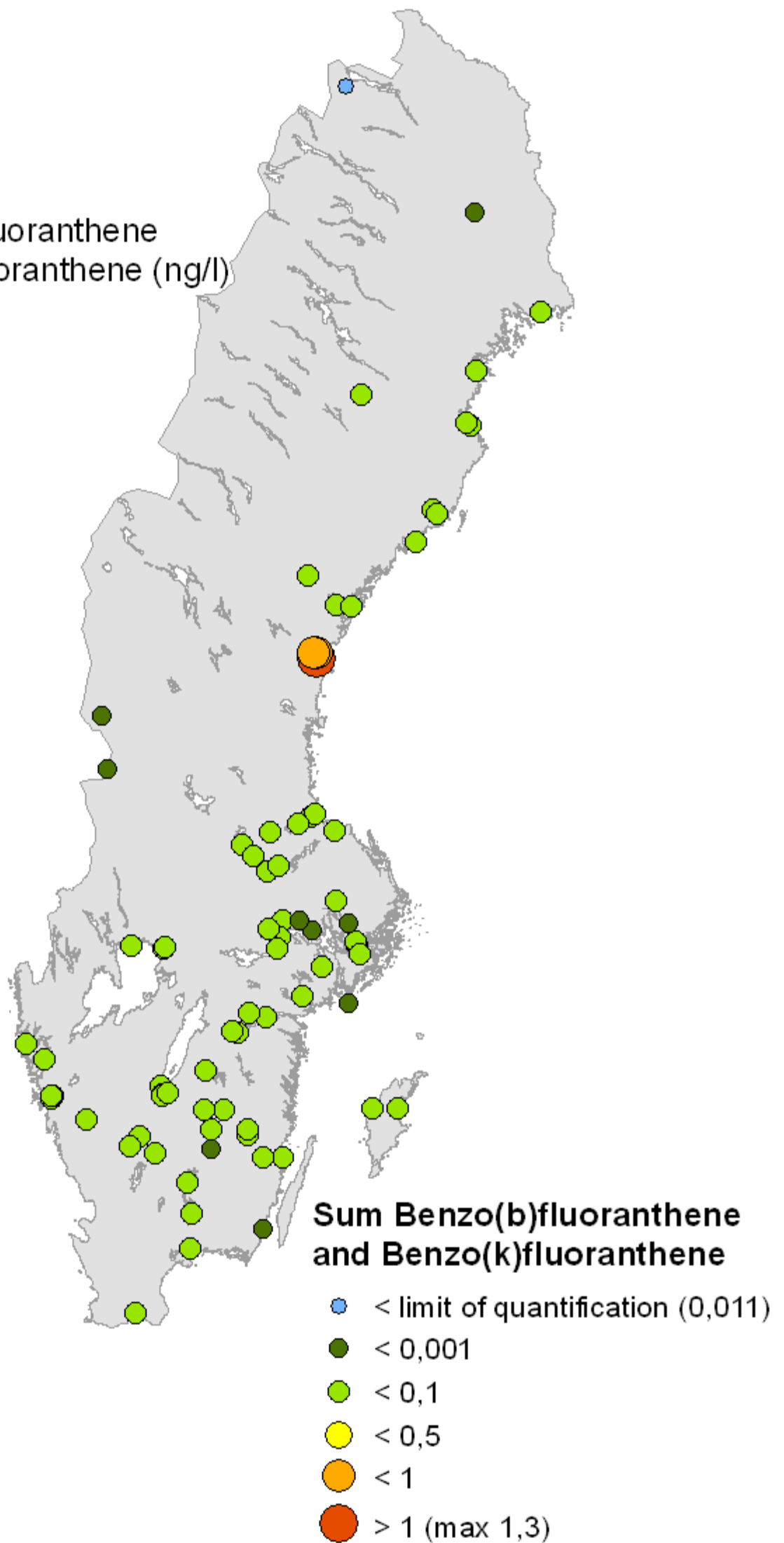
Sum Benzo(g,h,i)perylene and Indeno(1,2,3-cd)pyrene

- < limit of quantification (0,006)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 2,15)

Ratio EQS

SPMD

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

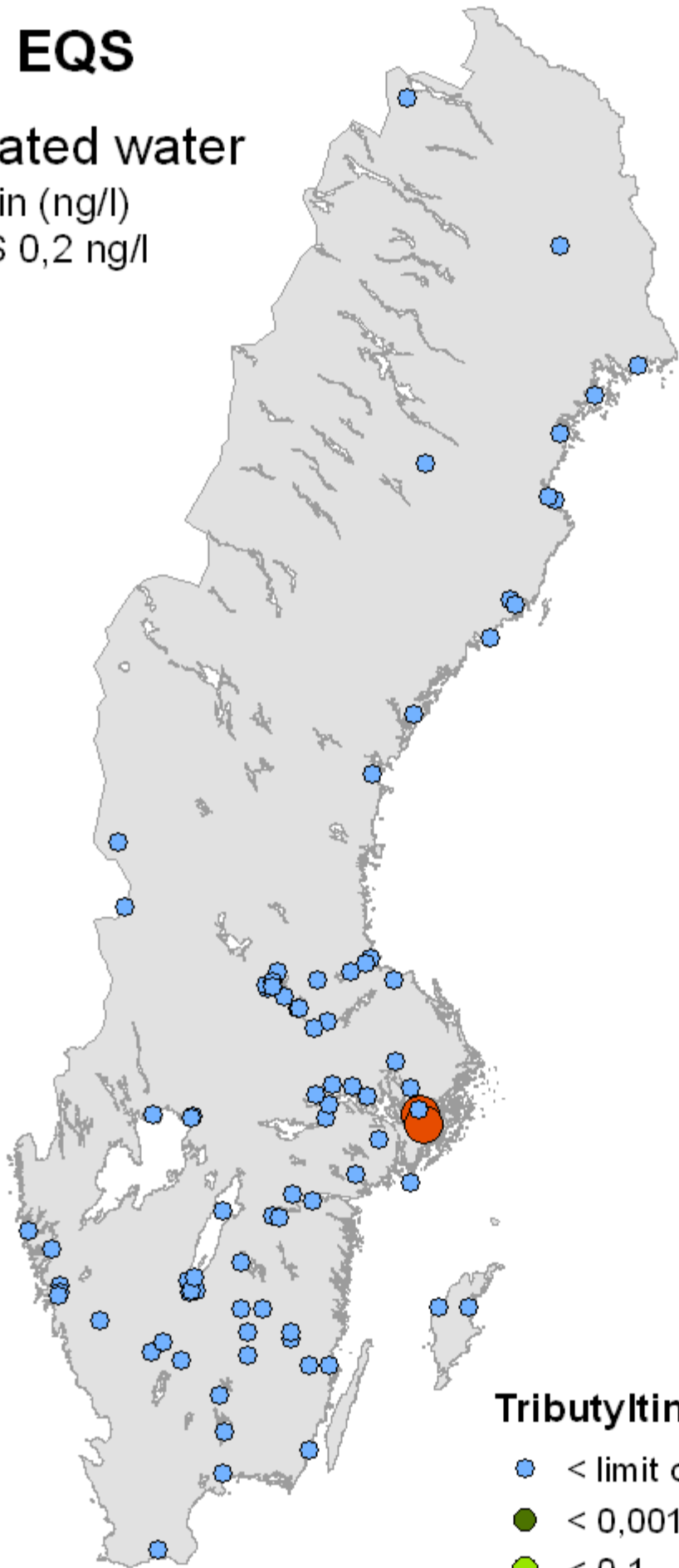


Ratio EQS

Unfiltered water

Tributyltin (ng/l)

AA-EQS 0,2 ng/l



Tributyltin

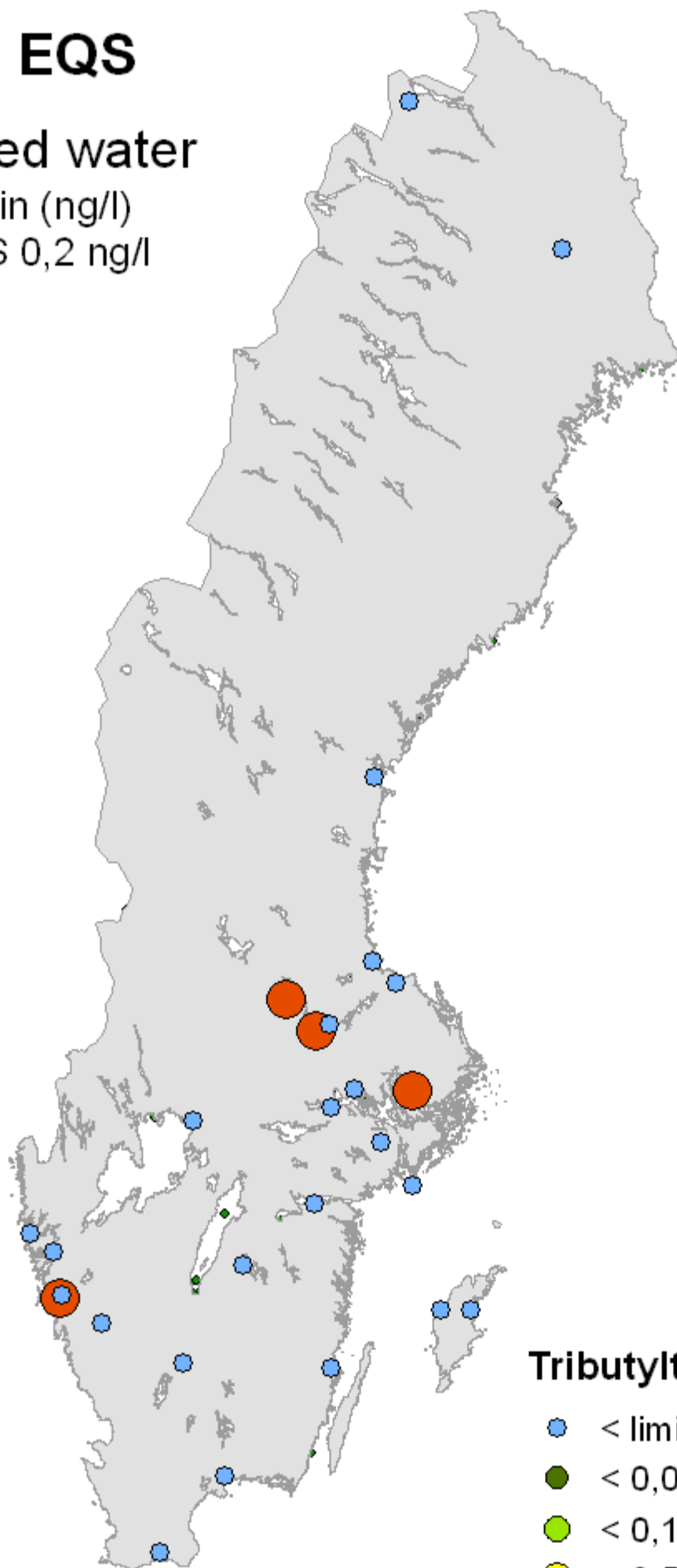
- < limit of quantification (1)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 19,5)

Ratio EQS

Filtrated water

Tributyltin (ng/l)

AA-EQS 0,2 ng/l



Tributyltin

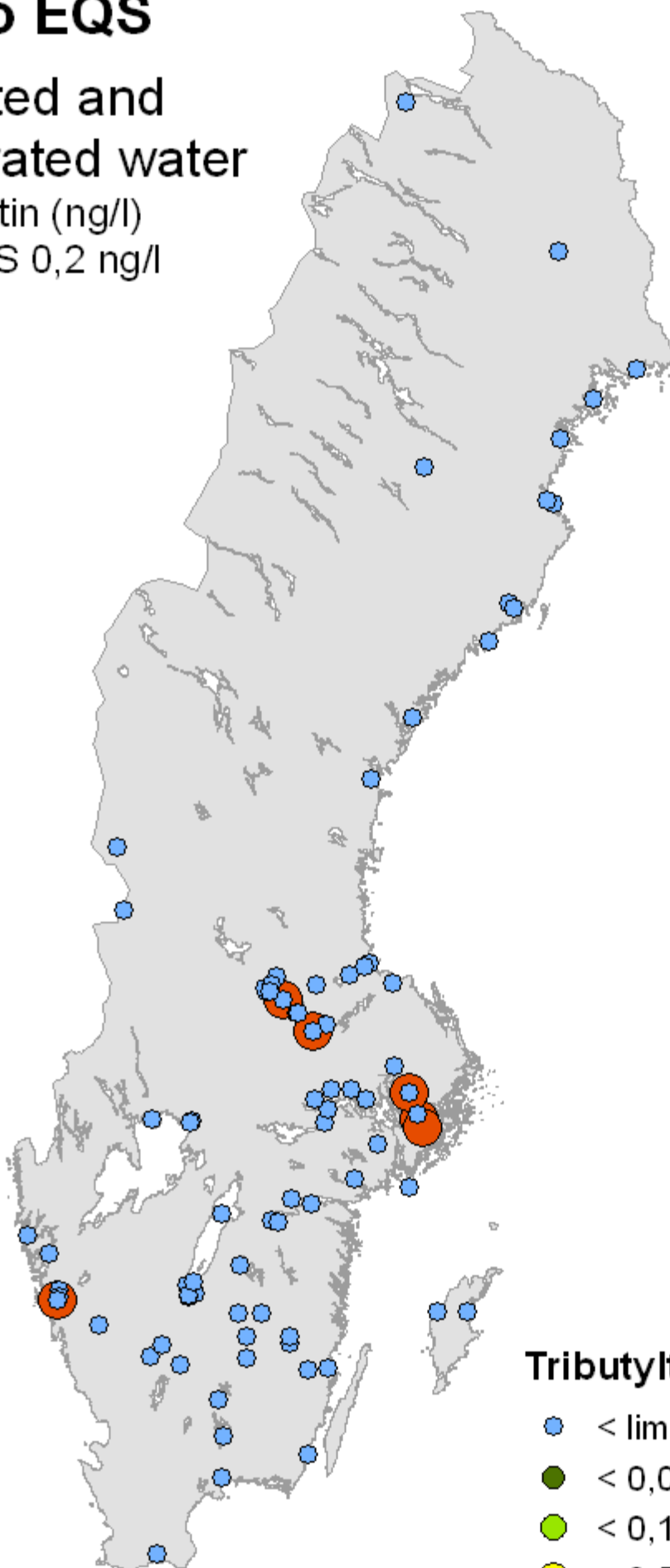
- < limit of quantification (1)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 20,5)

Ratio EQS

Filtrated and
unfiltrated water

Tributyltin (ng/l)

AA-EQS 0,2 ng/l



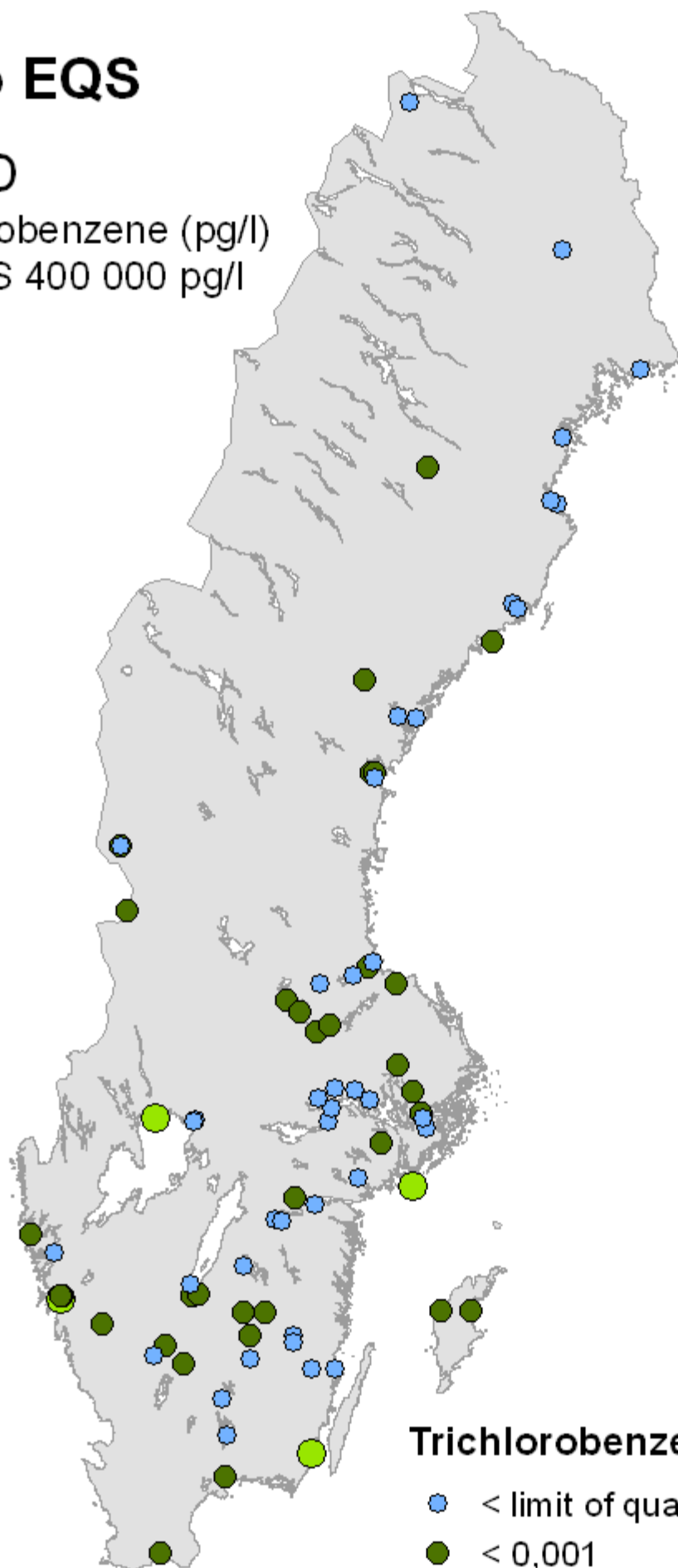
Tributyltin

- < limit of quantification (1)
- < 0,001
- < 0,1
- < 0,5
- < 1
- > 1 (max 20,5)

Ratio EQS

SPMD

Trichlorobenzene (pg/l)
AA-EQS 400 000 pg/l



Trichlorobenzene

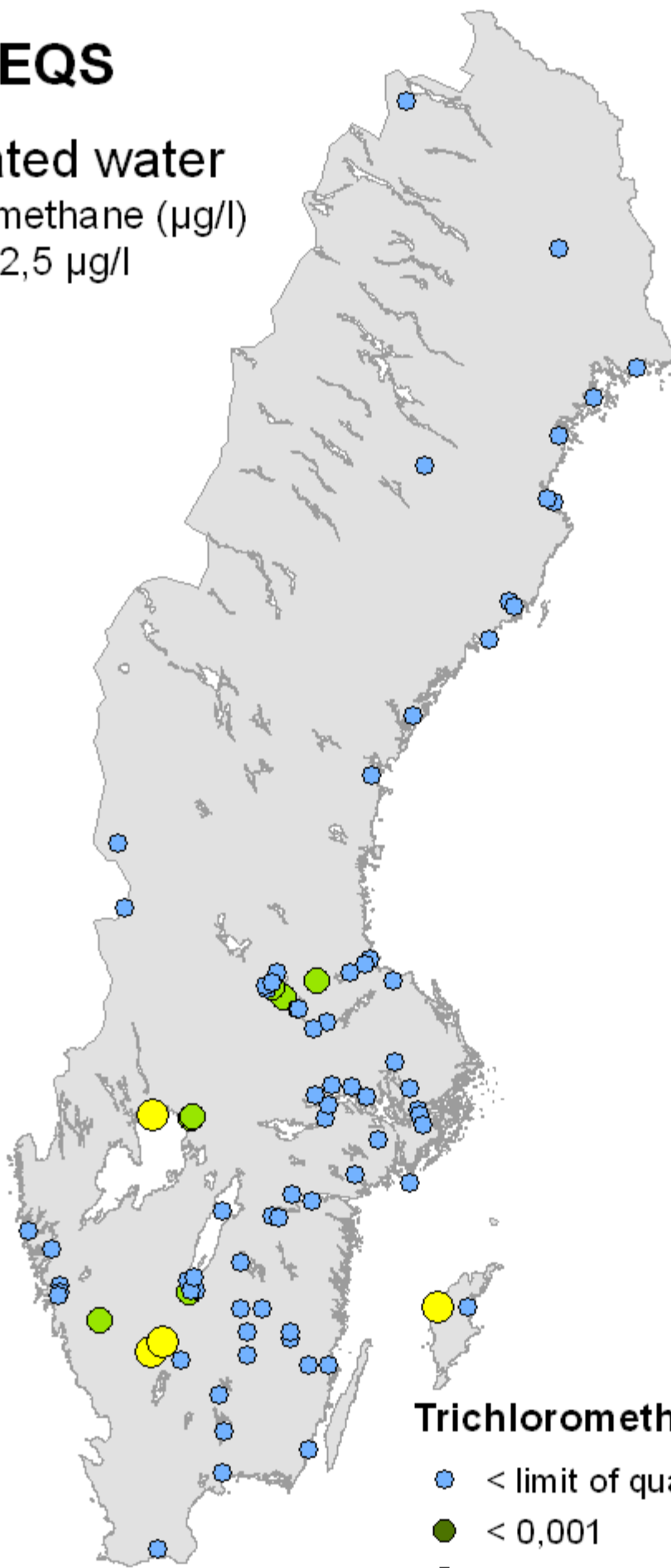
- < limit of quantification (34-118)
- < 0,001
- < 0,1 (max 0,013)
- < 0,5
- < 1
- > 1

Ratio EQS

Unfiltered water

Trichloromethane ($\mu\text{g/l}$)

AA-EQS 2,5 $\mu\text{g/l}$



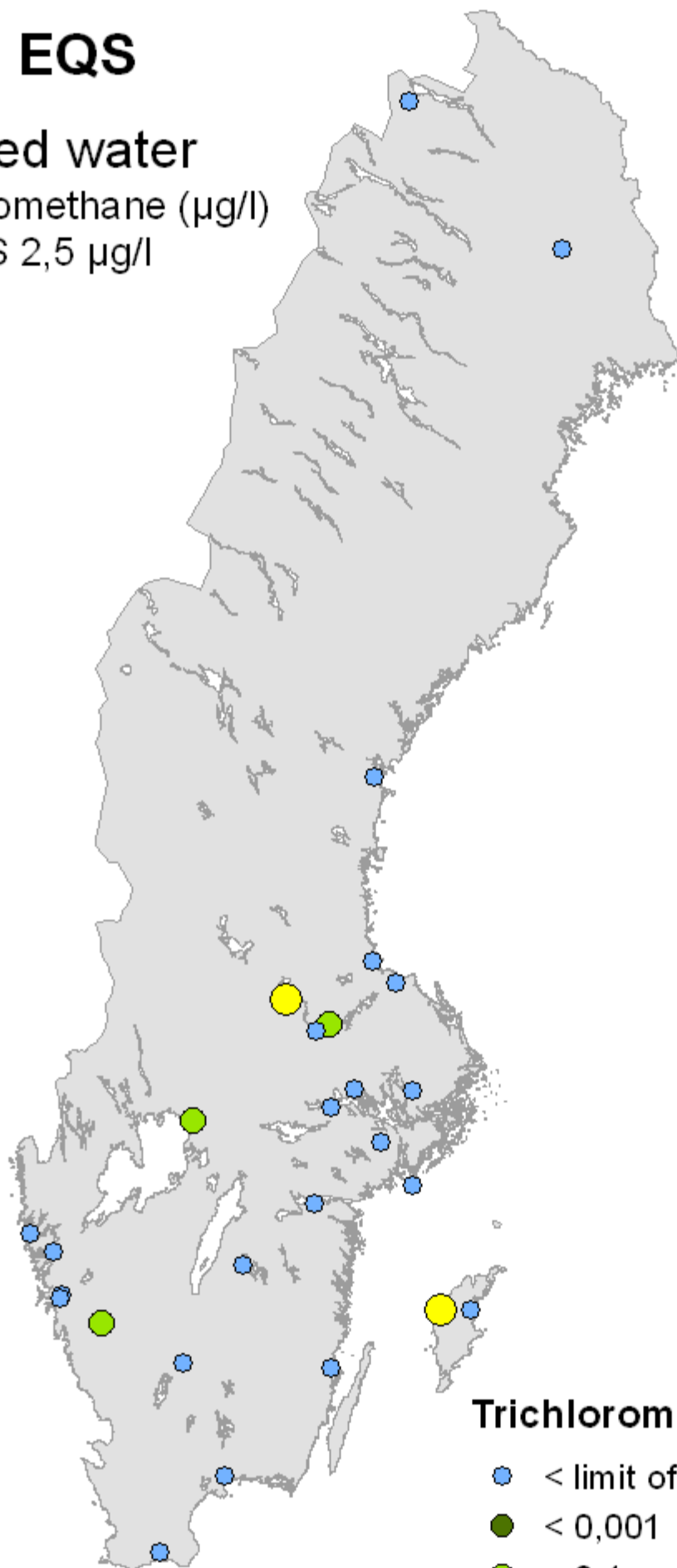
Trichloromethane

- < limit of quantification (0,1-0,2)
- < 0,001
- < 0,1
- < 0,5 (max 0,26)
- < 1
- > 1

Ratio EQS

Filtrated water

Trichloromethane ($\mu\text{g/l}$)
AA-EQS 2,5 $\mu\text{g/l}$



Trichloromethane

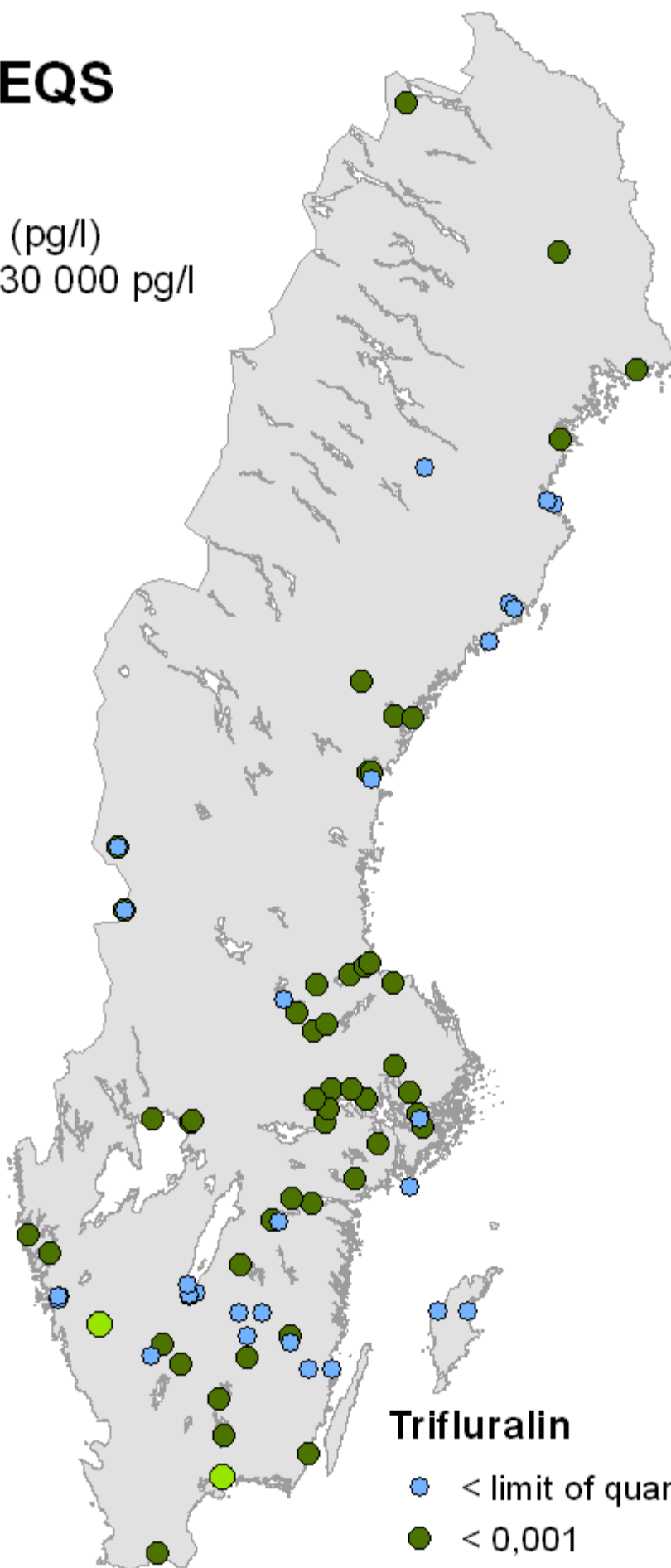
- < limit of quantification (0,1)
- < 0,001
- < 0,1
- < 0,5 (max 0,12)
- < 1
- > 1

Ratio EQS

SPMD

Trifluralin (pg/l)

AA-EQS 30 000 pg/l



Trifluralin

- < limit of quantification (0,7-9,3)
- < 0,001
- < 0,1 (max 0,0012)
- < 0,5
- < 1
- > 1