

Chloride, Cl

LAST CHANGED: 21 MAY 2021

Chloride is analysed with ion chromatography. The ions are separated with an anion change column. Thereafter the background is lowered with a suppressor and detection is made conductometric.

Known issues with the parameter and/or important method changes

No problems reported.

Current methods of measurement

Valid since January 2020

Method: SS-EN ISO 10304-1 1st ed. (modified).

Instrument: Metrohm 930 Compact IC Flex with Sample changer 858 Professional Sample Processor with automatic filter.

Remark: Runs on two identical instruments.

Previous methods

2010 – 2019-12 (i.e. partly parallel with the instrument below)

Method: SS-EN ISO 10304-1 1st ed. (modified).

Instrument: Metrohm 881 Compact IC pro with Sample changer 858 Professional Sample Processor with automatic filter.

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2007-05 – 2012 (i.e. partly parallel with the instrument above)

Method: SS-EN ISO 10304-1 1st ed. (modified).

Instrument: Conductivity detector JD21 series II: Column furnace IC21 series II: Sample changer MIDAS with built-in injector.

Elution pump.

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2005-05 – 2007-04

Method: SS-EN ISO 10304-1 1st ed. (modified).

Instruments: Backup: (LDC ConductoMonitor III. Waters 510 (pump). Waters 712 WISP sample changer. Anion exchange column. Waters maxima 820 version 3.30.) New instruments: Conduction detector JD21 series II: Column furnace IC21 series II. Sample changer MIDAS with built-in injector. Elution pump.

1990-01 – 2005-04

Method: Ion chromatography SS-EN ISO 10304-1.

Instruments: LDC ConductoMonitor III. Waters 510 (pump). Waters 712 WISP sample changer. Anion exchange column. PC computer with chromatography software WATERS MAXIMA 820 version 3.30.

1984-01 – 1989-12

Method: Ion chromatography.

Instruments: LDC ConductoMonitor/cell. LDC Constametric 111 (pump). SHIMADZU C-R1B (integrator). MAGNUS Autosampler M 7110. VYDAC-column 302 I.C.

NB: New projects started in April 1983

1965-01 – 1983-12

Method: Karlgren, L: Vattenkemiska Analysmetoder (Hydrochemical Analytical Methods, in Swedish). Modified for automatic titration. Potentiometric titration with silver nitrate.

Instruments: Radiometer Autoburette ABU 1. Radiometer pH meter PHM 28. Radiometer Titrator TTT 11. Radiometer electrode pair G 4011/K 601.

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Links

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