HELLMAN VATTEN

# Fiskeby Board

- New boiler 2010
- 65 bar, 420℃
- LP steam 8,5 bar,135℃

- High acid conductivity in the steam 0,4 - 0,6 µS/cm
- Turbine failure?

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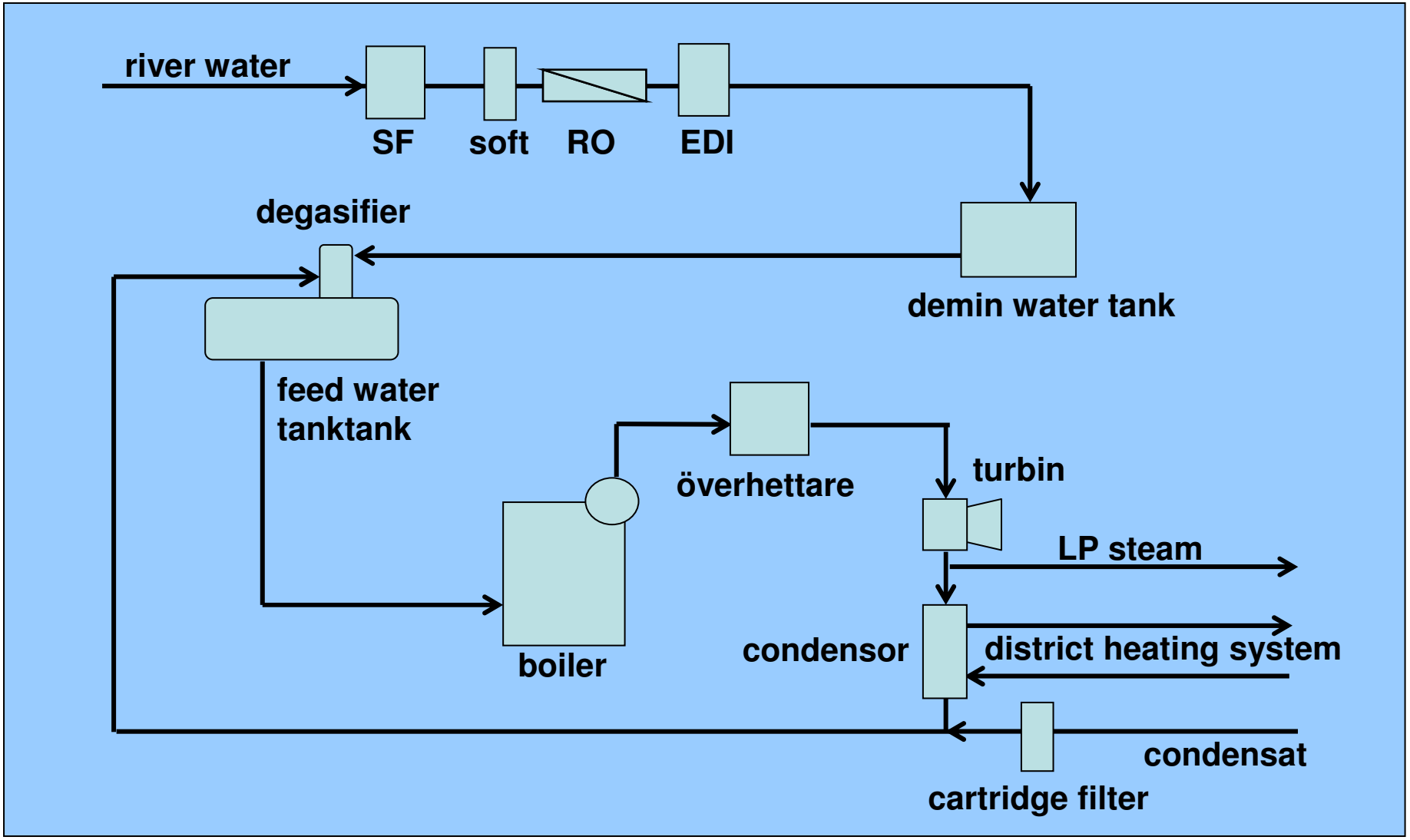

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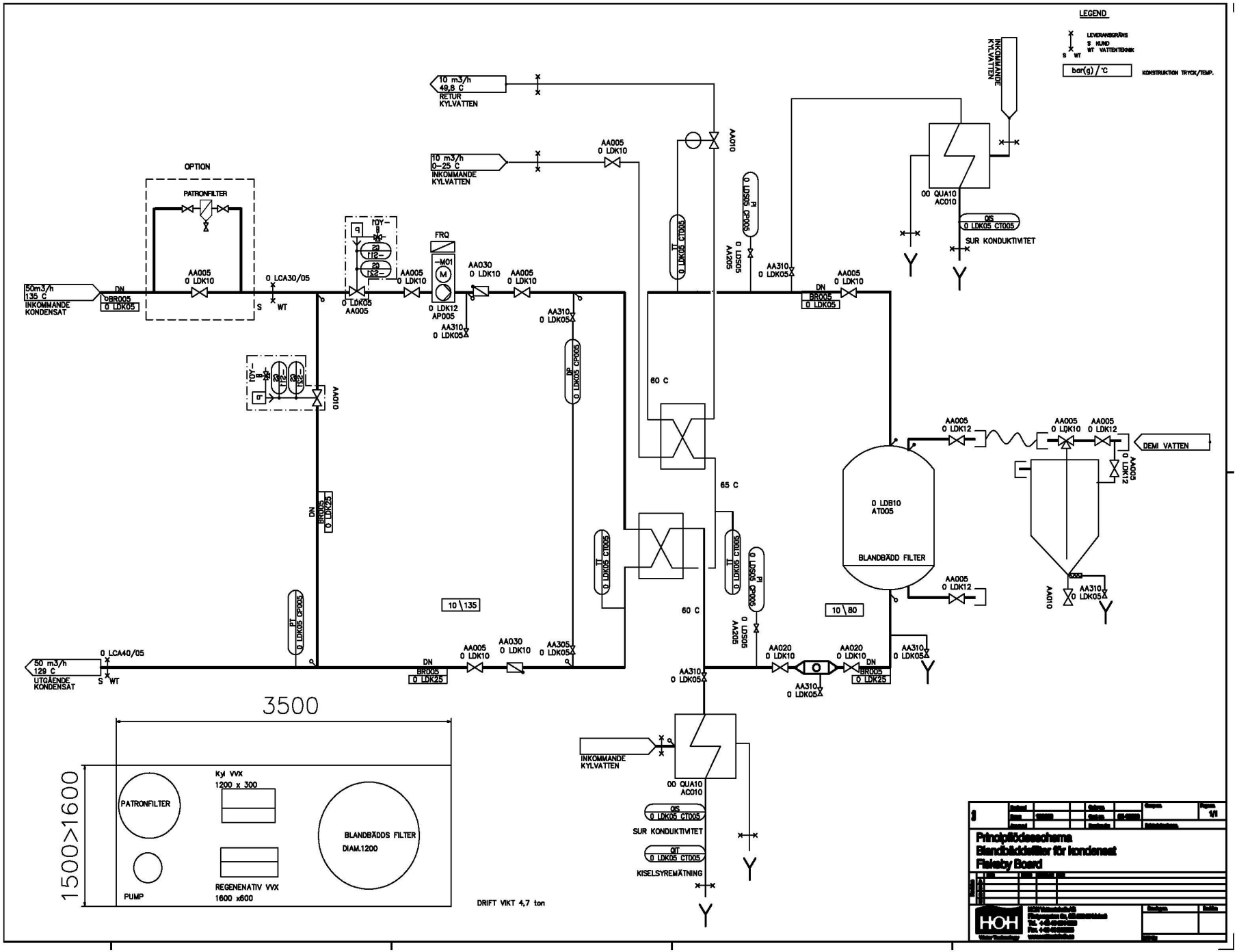
| | | superheated steam | condensate |
|---|---|---|---|
| Sodium | µg/l | <5 | <5 |
| Total conductivity | µS/cm | ~9 | |
| Acid conductivity (CACE) | µS/cm | 0,40 | |
| Degased acid conductivity | µS/cm | 0,40 | |

| | | superheated steam | demin water |
|---|---|---|---|
| Fluorid | µg/l | <2 | n.d. |
| Acetat | µg/l | 49 | <2 |
| Formiat | µg/l | 5,6 | 2,3 |
| Klorid | µg/l | 2 | <2 |
| Nitrat | µg/l | n.d. | <2 |
| Sulfat | µg/l | <2 | n.d. |
| Natrium | µg/l | 7 | <1 |
| Ammonium | µg/l | 471 | <1 |
| Kalium | µg/l | 2,2 | <1 |
| Magnesium | µg/l | n.d. | <1 |
| Kalcium | µg/l | n.d. | 1,5 |
| NPOC | µg/l | 233 | 33 |

**n.d.** = not detected


LEGEND
LEVERANSGRÄNS
S KUND
WT VATTENTEKNIK
bar(g) / °C
KONSTRUKTION TRYCK/TEMP.
10 m3/h
49,8 C
RETUR
KYLVATTEN
10 m3/h
0–25 C
INKOMMANDE
KYLVATTEN
OPTION
PATRONFILTER
50m3/h
135 C
INKOMMANDE
KONDENSAT
DN
BR005
0 LDK05
AA005
0 LDK10
0 LCA30/05
S
WT
0 LDK05
AA005
FRQ
M01
0 LDK12
AP005
AA030
0 LDK10
AA310
0 LDK05
AA010
60 C
65 C
60 C
10 \ 135
10 \ 80
0 LDK05 CT005
0 LDS05 CP005
0 LDS05
AA205
AA310
0 LDK05
00 QUA10
AC010
QIS
0 LDK05 CT005
SUR KONDUKTIVITET
INKOMMANDE
KYLVATTEN
AA005
0 LDK12
DEMI VATTEN
0 LDB10
AT005
BLANDBÄDD FILTER
AA020
0 LDK10
AA305
0 LDK05
0 LDK25
0 LCA40/05
50 m3/h
129 C
UTGÄENDE
KONDENSAT
3500
1500>1600
PATRONFILTER
Kyl VVX
1200 x 300
BLANDBÄDDS FILTER
DIAM.1200
PUMP
REGENENATIV VVX
1600 x600
DRIFT VIKT 4,7 ton
QIT
0 LDK05 CT005
KISELSYREMÄTNING
Principlödesschema
Blandbäddsfilter för kondensat
Fiskeby Board
HOH

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# cartridge filter

**Winding Material**
B = bleached cotton
H = glass fiber, baked
P = Polypropylene
W = washed Polypropylene

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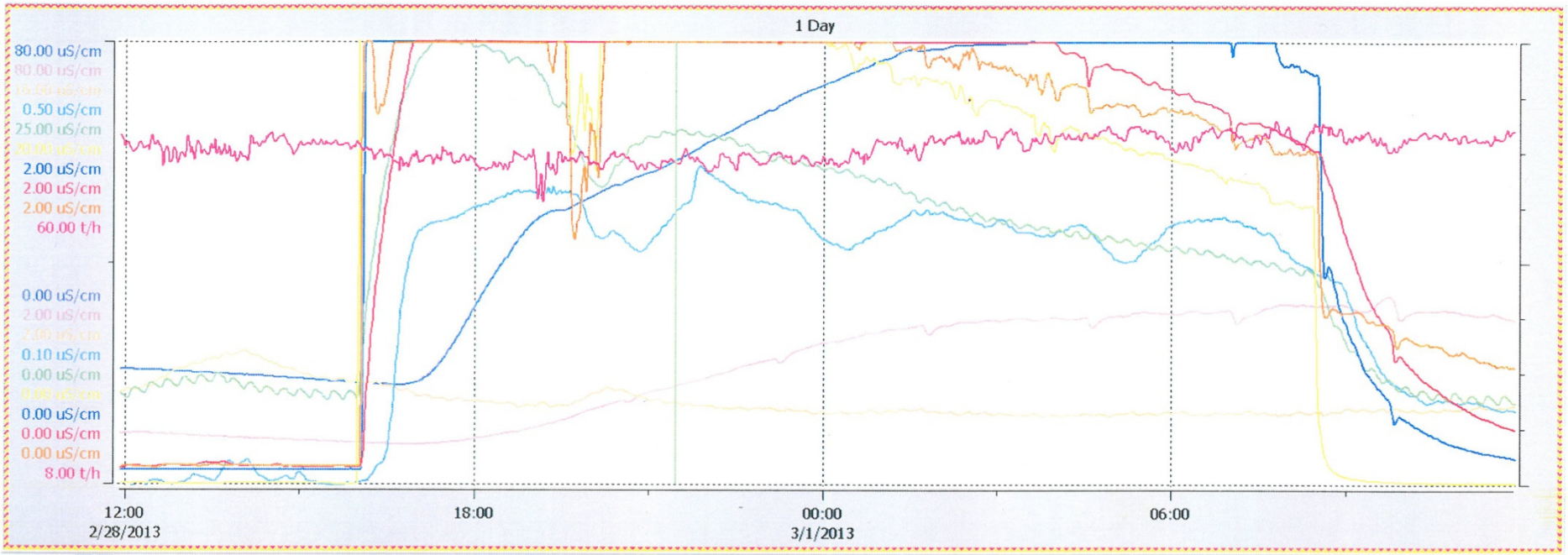


1 Day 2/28/2013 11:53:42 PM

| | Visible | Trace C | Object Name | Object Description | Current Value | Propert | Ruler Time | Ruler Value | Low Range | High Range | Mean Value | Min Value | Max Value | Time Offset | Filter | Style | Treatment | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ☑ | | 1QUA21CQ001 | Vattenanalys ångdom C direkt | 18.54 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 58.57 uS/c | 0.00 | 80.00 | 60.55 uS/c | 17.83 uS/c | 89.17 uS/c | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 2 | ☑ | | 1QUA21CQ002 | Vattenanalys ångdom C sur | 7.68 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 19.32 uS/c | 2.00 | 80.00 | 22.54 uS/c | 8.88 uS/cm | 35.18 uS/c | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 3 | ☑ | | 1QUA31CQ001 | Vattenanalys huvudång C direkt | 7.77 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 4.57 uS/cm | 2.00 | 16.00 | 4.62 uS/cm | 4.13 uS/cm | 6.19 uS/cm | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 4 | ☑ | | 1QUA31CQ002 | Vattenanalys huvudång C sur | 0.21 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 0.35 uS/cm | 0.10 | 0.50 | 0.27 uS/cm | 0.09 uS/cm | 0.39 uS/cm | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 5 | ☑ | | 1QUA41CQ001 | Vattenanalys matarvatten C direkt | 7.70 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 19.89 uS/c | 0.00 | 25.00 | 13.70 uS/c | 4.56 uS/cm | 25.31 uS/c | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 6 | ☐ | | | | | | | | | | | | | | | | | |
| 7 | ☑ | | 1QUA61CQ001 | Vattenanalyse fabrikskondensat C direkt | 4.41 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 23.79 uS/c | 0.00 | 20.00 | 14.40 uS/c | 0.01 uS/cm | 37.08 uS/c | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 8 | ☑ | | 1QUA61CQ002 | Vattenanalyse fabrikskondennsat C sur | 0.09 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 2.00 uS/cm | 0.00 | 2.00 | 1.43 uS/cm | 0.06 uS/cm | 2.00 uS/cm | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 9 | ☑ | | 1QUA41CQ002 | Vattenanalys matarvatten C sur | 0.23 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 2.00 uS/cm | 0.00 | 2.00 | 1.40 uS/cm | 0.07 uS/cm | 2.00 uS/cm | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 10 | ☑ | | 1QUA51CQ002 | Vattenanalyse turbinkondensat C sur | 0.21 uS/cm | IO.IOVal | 2/28/2013 9:27:22 | 2.00 uS/cm | 0.00 | 2.00 | 1.38 uS/cm | 0.07 uS/cm | 2.00 uS/cm | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |
| 11 | ☑ | | 1LBA10CF001XJ61 | Flöde huvudånga korr. | 45.89 t/h | IO.IOVal | 2/28/2013 9:27:22 | 45.61 t/h | 8.00 | 60.00 | 47.58 t/h | 41.15 t/h | 50.78 t/h | 00:00:00 00:00:00 | 0.00 | Linear | TimeAverage | |

3/14/2013 9:30:23 AM

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