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analysis of discrete
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step towards to a more detailed
poral variations of methane in aquatic

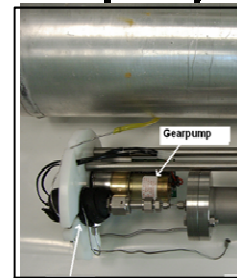
Development of a cool trap system

Cool Trap

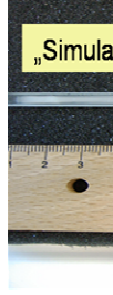
- Reduction of the water vapor content ($m/z=18$) which is affecting the CH_4 analysis ($m/z=15$)
- Power consumption
- More technique, electronics and process control

Result:

- Reduction of the detection limit for CH_4 from $\sim 100nM$ CH_4 to $\sim 16 nM$



Ethanol o
Step
-90°C lab u



2. Comparison Inspectr Lake Con

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