

**P-07-149**

**Supplement 1**

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## **Oskarshamn site investigation**

### **Complete chemical characterisation in KLX13A**

**Results from two investigated borehole  
sections: 432.0-439.2 m, 499.5-506.7 m**

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## Description

When the method "Complete Chemical Characterization" is performed, the redox potential (Eh) of the groundwater is recorded *in situ* on-line in the borehole and the result is reported in a table in the P-report.

In addition, a method for the determination of the amount and size of colloid particles in the groundwater is applied (Laser Induced Breakdown Detection; LIBD). The sampling of the groundwater for the colloid determination is performed *in situ* in the borehole, usually in two sample containers (PVB), which are immediately transported to the laboratory. At the laboratory, the groundwater is analysed with respect to a number of parameters including Eh. For comparison, the Eh value measured at the laboratory is reported in a result table together with the *in situ* on-line recorded Eh value.

In borehole section 499.5–506.7 m, the *in situ* sampling for colloids was cancelled due to high amounts of flushing water.

## Errata

**Table 7-1, p. 27 in the original P-report reads:**

Borehole section [m]	Eh** [mV]
432.0–439.2 PVB (LIBD)****	–234 °

° = redoxpotential calculated with PHREEQC.

**Read as follows:**

Borehole section [m]	Eh** [mV]
432.0–439.2 PVB (LIBD)****	–26 °

° = Redox, Eh (SHE) calculated with PHREEQC.