

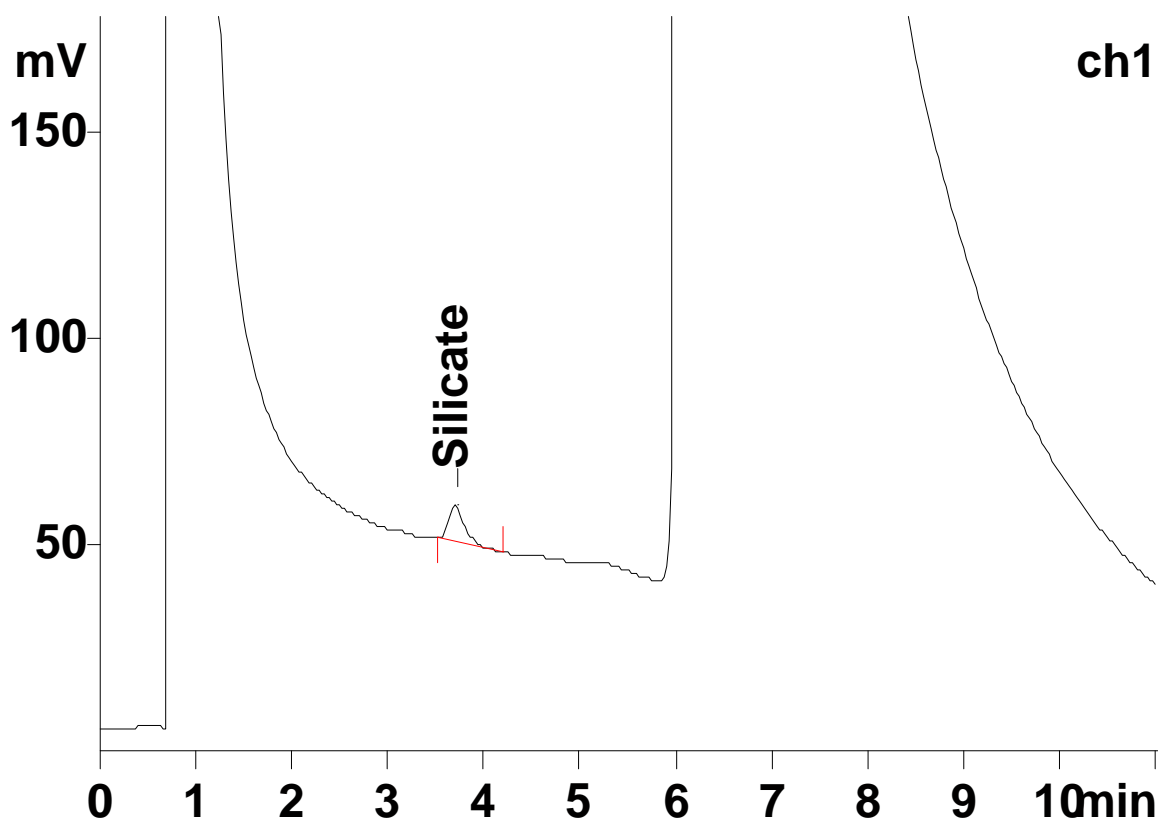
# IC Application Note No. N-60

**Title:** Online monitoring of trace levels of silicate in boiler feed water

**Summary:** Determination of trace levels of silicate in a boiler feed water using anion chromatography with direct conductivity detection.

**Sample:** Boiler feed water  
**Sample Preparation:** 10 mL preconcentrated (Metrosep A PCC, 6.1006.300)

**Column:** 6.1005.000 Hamilton PRP-X 100  
**Eluent:** 3.2 mmol/L sodium hydroxide  
 0.5 mmol/L sodium carbonate  
**Flow:** 2.0 mL/min  
**Injection Volume:** 10 mL



<b>Results:</b>	Silicate μg/L
	<b>0.90</b>

See AN C-83 for the determination of cations and AN S-206 for the determination of anions in boiler feed water.