

THM 1000 QA/QC and Maintenance Schedule

Action	Daily	Weekly	Monthly	Quarterly	Yearly	As Needed	Recommendations
Initial calibration (ICAL)				X		X	Run 5, 10, 20, 40, 60, 80, and 100ppb**. Quadratic or linear response ≥ 0.995
Daily Calibration Check (CC)	X Before samples are run						40ppb* should be +/- 15% of the expected value.
DI Water Blank	X After CC and before samples are run						Concentration should be < MDL or 0 (non-detect).
Condition Preconcentrator Trap (PCT)			X			X	Do this after ~ 500 runs when there is low-response or excessive carryover. If CC or ICAL is not passing, PCT could be the problem.
Check Purge Flow			X			X	50-65 mL/min measured from PCT vent. Check if response goes down especially for brominated compounds.
Replace PCT						X	Replace if there is difficulty passing the CC or initial calibration.

*Vary calibration check standards every so often.

** Calibration levels may be varied according to expected sample concentration.