



Supervisor Review _____ **Month** _____ **Year** _____

Perform the procedures at the specified intervals to maintain the performance of the analyzer. Refer to the online Operator's Guide for step-by-step instructions (select the  button, then select Maintenance. The maintenance intervals are based on 8 hours of continuous system operation per day.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Daily																															
Clean probes, mix rods, wash mechanisms, and splash covers.																															
Check reagents and system solutions.																															
Inspect pumps.																															
Perform startup wash.																															
Record ISE slopes for: Na																															
(From any valid calibration) K																															
Cl																															
Perform shutdown Wash 2 or modified Wash 2.*																															
Perform additional ISE wash.*																															
Wipe excessive condensation from the reagent trays.																															
Weekly																															
Perform weekly wash.*																															
Check lamp coolant and perform lamp energy check.																															
Perform cuvette blank (cell blank) measurement.																															
Clean exterior analyzer panels.																															
Monthly																															
Clean the turntable interiors.																															
Clean or replace reagent containers in positions 47 – 50.																															
Clean/replenish dilution bottle.																															
Clean/replenish the cuvette wash bottle.																															
Clean the chiller filter.																															

* Intervals are influenced by quantity and type of samples. Refer to the online Operator Guide for details (access by selecting the  button, then selecting **Maintenance**).

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Procedure	Date Performed	Performed by
Every 2 months		
Clean the dilution tray cuvettes.		
Clean and replenish the cuvette conditioner bottle.		
Every 3 months		
Replace the lamp.		
Wash the ISE electrode lines.*		
Every 4 months		
Clean the ancillary reagent bottle filters (diluent, cuvette wash, and conditioner).		
Replace reaction and dilution cuvettes.		
Clean the pure-water bottle filter.		
As required		
Back up system files.		
Replace the probes.		
Replenish the RRV (reaction) bath oil bottle.		
Recover from a power failure.		
Perform preventive cleaning of the wash station lines.		
If contaminated, wash all ISE lines.		
Check the dilution bowl and nozzle.		
Condition ISE electrode(s).		
Replace ISE electrode(s).		

* Intervals are influenced by quantity and type of samples. Refer to the online Operator Guide for details (access by selecting the  button, then selecting **Maintenance**).