

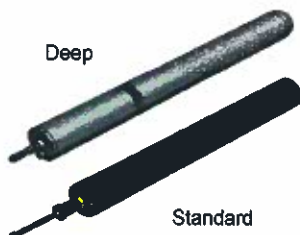
SAT-QR-95007 (v 1.0.9)

SATLANTIC

Verification Checklist

Submersible Ultraviolet Nitrate Analyzer (SUNA)

Serial Number: 647 TDP: _____ Firmware: 251 Software: 30.11
 Project Number: 2015 8054 Model: Standard ☒ Deep ☐
 Path Length: 10 mm ☒ 5 mm ☐
 Calibration: Freshwater ☐ Seawater ☒
 Options: Analog Out ☐ SDI-12 ☐
 USB ☒ Data Logging ☒
 APF Interface ☐ Scheduling ☒
 Power Relay ☐ Integrated Wiper ☒
 Glider Mounting ☐
 Accessories: Cables ☒ Flow Cell ☐
 Pump ☐ Foul Guard ☐
 Profiling Float Kit ☐ External Wiper ☐



Calibration ☒ Freshwater ☐ Seawater ☒ Custom ☐ Date: 22 06 / 2015
 Pressure Test Rated to: 150 psig
 Performance ☒ Dark level: 609 (400-999) Std.-dev.: 9 (< 10)
 Ground fault free ☒ Light max.: 50137 (45-55,000) Power use: 6732 (< 7500 mW)
 Lamp temperature: 30.1 (< 35 C)
 Internal humidity: 1.5 (< 10%)
 Nitrate [μM] DIW NW NW+40 μM Nitrate std.-dev.: 0.38 (< 2 μM)
1.37 2.00 41.36

Calibration Check Calibration file name SNA0647A Date: 25 / 06 / 2015
 Reference update was: not needed ☒ done ☐
 Nitrate [μM] DIW SW NO₃ STD
1.37 1.07 42.24
 0 ± 2 μM 0 ± 2 μM 40 ± 4 μM
 V [V] I [mA]
 (Not useable for analog calibration)

Configuration Analog Out: OK ☐ N/A ☒ SDI-12: OK ☐ N/A ☒
 USB: OK ☐ N/A ☒ Data Logging: OK ☐ N/A ☒
 Standard configuration ☒ APF Interface: OK ☐ N/A ☒ Scheduling: OK ☐ N/A ☒
 Clock synchronization ☒ Power Relay: OK ☐ N/A ☒ Integrated Wiper: OK ☐ N/A ☒
 Accessories Check Cables: OK ☐ N/A ☒ Flow Cell: Fit ☐ N/A ☒
 Pump: OK ☐ N/A ☒ Foul Guard: Fit ☐ N/A ☒
 Anode Installed: OK ☐ N/A ☒ External Wiper: Fit ☐ N/A ☒
 Finishing File system cleared ☐ N/A ☒ Custom configuration ☐ N/A ☒
 Summary report filed ☐ Optical surfaces cleaned ☒
 Windows flush ☒

This final inspection and verification of the SUNA is performed after all other work is complete. The inspection is conducted and QA countersigned by qualified Satlantic technicians.

Quality Assurance: [Signature]Date: June 125 / 2015