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| OOI logo CGSN_logo 2 | | **Quality Conformance Test Results** | | |
| **Procedure Doc. No.:**  **3305-00115** | **Procedure Title:**  **Quality Conformance Test for DOSTA-D** | **Revision:**  **1-04** |
| **Part No.:**  **1336-00002-00004**  **Serial No.:**  **Sensor: 439** | **Name/Description.:**  **DOSTA – Aanderaa 4831 Dissolved Oxygen Sensor** | | | **Form No.:**  **00197** |

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| **Test / Inspection Conducted by: L. Houghton Test Date: 2017-03-29** | **Quality Review by: Rebecca G. Travis Date: 2017-04-03** |

| Test Results | | | | | | |
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| **Step No.** | **Item ID** | **Test Parameter** | **Specification/Criteria** | **Test Data** | **Pass** | **Fail** |
| 8.3.3 | INTF-010 | Verification that communication is established through the RS-232 serial connection. | Establishing communication with the unit via the computer and received status. | **Communication established** | **X** |  |
| 8.3.4 | INTF-011 | Verification that instrument shall be capable of being remotely accessed and controlled via the communication interface. | The instrument receives a command from an external source and the command is accepted. | **Input received and sampling stopped** | **X** |  |
| 8.3.7 |  | Verification of software version for instrument | Current software version of instrument has not altered and is the same as that noted in a previous QCT results form. | **Firmware 4.9.1 confirmed** | **X** |  |
| 8.3.12 | DO2-007 | Verification that instrument collects data at the specified rate of 1 sample every two seconds | Observation of sampling for approximate sampling rate | **Sampling rate verified once per two sec** | **X** |  |
| 8.3.13 |  | Verification of thermistor operation | Incoming thermistor data changes with the application of heat | **Temp increased from 24.18 to 29.28** | **X** |  |
| 8.3.14 |  | Verify operation of the oxygen sensor | Incoming data in open air should be >95% | **O2 sat > 103%** | **X** |  |
| 8.3.15 |  | Verification of sensor operation | Incoming data stream from oxygen sensor decreases in value | **O2 sat decreased to 67%** | **X** |  |
| 8.3.17 | INTF-002 | Verification that unit will operate at specified low voltage | [**Optional**] Unit continues to collect data at a low voltage | **NA** |  |  |
| 8.3.19 | INTF-002 | Verification that unit will operate at specified high voltage | [**Optional**] Unit continues to collect data at a high voltage | **NA** |  |  |
| 8.3.21 | ELEC-004 | Verification that instrument returns to a defined operational state upon being depowered and repowered. | Instrument resumes sampling upon repowering of the unit. | **When power was turned back on, sensor continued sampling** | **X** |  |

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| Test and Measurement Equipment | | |
| **Name (Make & Model No.)** | **ID No. or Serial No.** | **Cal. Due Date\*** |
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**\* Calibration Due Date only required for equipment that is regularly calibrated**

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| Notes |
| 3305-00115-00197-A.txt |