

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on

Meter ID:

451556 #1

Project:

US UEC SCI

RD-2016-04-25-25

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

04/2016

DO DEP SOP FT 1400	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
Calibr.	P. O'Connor	04-26-16	0710	23.0	8.57	8.57	100.0	—	—	Pass	CAB
ICV	↓	↓	0712	23.0	8.57	8.58	100.0	—	—	Pass	CAB
CCV	P. O'Connor	04/26/16	1425	24.7	8.31	8.33	100.2	—	—	Pass	CAB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO

Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass /	Lab /
Cond.									
Calibr.	P. O'Connor	04-26-16	0714	160216A	02/2017	1000	1000	Pass	CAB
ICV	↓	↓	0716	↓	↓	↓	1000	Pass	CAB
CCV	P. O'Connor	04/26/16	1427	160216B	08/2016	100	102	Pass	CAB
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	P. O'Connor	04-26-16	0720	2509677	08/2017	7.0	7.00	-38.6	Pass	CAB
Calibr.	↓	↓	0730	2509F74	09/2017	4.0	4.00	-141.5	Pass	CAB
Calibr.	↓	↓	0735	2510A88	04/2017	10.0	9.98	-212.3	Pass	CAB
ICV	↓	↓	0737	2509677	08/2017	7.0	7.05	-39.3	Pass	CAB
CCV			1430	2510A88	04/2017	10.0	9.98	-212.8	Pass	CAB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

N/A

Date of Last Depth Verification

N/A

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater