

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

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

Meter YSI 6920⁴ RQ- 2016-de-de-20 Project UEC NORTH

- 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 03/04/2016 4/2016

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	N. Frederick	6/9/16	0750	22.71	8.62	8.60	99.7	58.4	1.03	P	L
ICV	N. Frederick	6/9/16	0751	22.70	8.62	8.61	99.7	58.4	1.03	P	L
CCV	↓	6/9/16	1305	24.25	8.34	8.36	99.7	58.4	1.03	P	L
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. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	N. Frederick	6/9/16	0800	160216A	2/2017	1000	1000	P	L
ICV	↓	↓	0805	↓	↓	1000	1000	P	L
CCV	↓	↓	0807	05151413	6/16	1413	1438	P	L
CCV	↓	↓	1310	1165864	11/16	58,640	58,623	P	L

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	N. Frederick	6/9/16	0810	2510A81	10/2017	7.0	6.99	-6.1	P	L
Calibr.	↓	↓	0812	2509F74	9/2017	4.0	4.00	172.1	P	L
Calibr.	↓	↓	0815	2510A88	4/2017	10.0	10.0	-178.7	P	L
ICV	N. Frederick	↓	0820	2510A81	10/2017	7.0	6.99	5.8	P	L
CCV	↓	↓	1315	2510A81	10/2017	7.0	7.02	-4.4	P	L
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 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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