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

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

Meter ID: Fiday RQ-2021-05-17-23 Project: SMP: Lemon Bay

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 02/11/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	William Muller	05/18/21	0718	22.8	759.6	8.6	8.63	100.2		1.0488	(P) / F	(L) F
ICV	William Muller	05/18/21	0721	22.8	759.6	8.6	8.62	100.1			(P) / F	(L) F
CCV	William Muller	05/18/21	1253	24.9	759.7	8.3	8.26	99.8			(P) / F	(L) F
CCV											P / F	L / F

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 (Pro DSS 0.75 to 1.50); 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	William Muller	05/18/21	0723	1002A78	02/22	10,000	10,000	(P) / F	(L) / F
ICV	William Muller	05/18/21	0726	2007D74	07/22	500	492.4	(P) / F	(L) F
CCV	William Muller	05/18/21	1254	2012D77	12/22	50,000	48,440	(P) / F	(L) F
CCV	William Muller	05/18/21	1255	1004984	08/22	2500	2546	(P) / F	(L) F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Muller	05/18/21	0727	2101F99	01/23	7.00	24.3	7.01		(P) / F	(L) / F
Calibr.	William Muller	05/18/21	0728	1102110	01/23	4.01	24.4	4.00		(P) / F	(L) F
Calibr.	William Muller	05/18/21	0730	1102821	07/22	10.02	24.3	10.01		(P) / F	(L) F
ICV	William Muller	05/18/21	0732	2101F99	01/23	7.00	24.1	7.04		(P) / F	(L) F
CCV	William Muller	05/18/21	1257	1102110	01/23	4.01	23.6	4.12		(P) / F	(L) F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / (NO) / NA (not surf. water project)
If **YES**, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____
If **NO**, what will be used? (circle one) (Secchi Disk Line) / Sonar Unique ID: Depth Blues ; Date of last verification: 02/11/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: