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: Bad Lemon RQ-2021-0742-SD 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 05/18/21

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.	Kirby Mike	7/15/21	0724	23.24	764.8	8.6	8.68	101.5		1.042	(P) / F	(L) / F
ICV	William Muller	7/15/21	0727	23.23	764.8	8.6	8.67	101.5			(P) / F	(L) / F
CCV	William Muller	7/15/21	1201	23.2348	765.0	8.5	8.55	101.5			(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	7/15/21	0728	2011E43	11/22	50,000	50,000	(P) / F	(L) / F
ICV	William Muller	7/15/21	0731	1009984	05/22	~~25,000~~	7553	(P) / F	(L) / F
~~CCV~~	~~William Muller~~	~~7/15/21~~	~~1205~~	~~2012A70~~	~~11/22~~	~~500~~		~~P / F~~	~~L / F~~
CCV	William Muller	7/15/21	1213	1106A32	05/23	100	104.1	(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	7/15/21	0736	2102H57	07/23	7.01	23.6	7.01		(P) / F	(L) / F
Calibr.	William Muller	7/15/21	0739	2105875	04/23	4.00	23.7	4.00		(P) / F	(L) / F
Calibr.	William Muller	7/15/21	0741	4102F52	05/22	10.01	23.8	10.02		(P) / F	(L) / F
ICV	William Muller	7/15/21	0744	2105875	04/23	4.00	23.7	4.01		(P) / F	(L) / F
CCV	William Muller	7/15/21	1215	4102F52	05/22	10.01	23.3	10.03		(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: 3312B ; Date of last verification: 02/18/21

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:

Form effective August 1, 2018