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: Shrimp Trap RQ- 2022-01-31-20 Project: SMP

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 12/2/21

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.	M. Beals	2/2/22	0732	21.6	758.3	8.8	8.78	99.8	/	1.17	(P)/F	(L)/F
ICV	"	"	0737	21.8	758.3	8.8	8.82	100.5	/	/	(P)/F	(L)/F
CCV	Winkles	"	~~13:25~~	~~OB~~	~~758.1~~	OB					P/F	L/F
CCV			16:03	22.5	756.8	8.6	9.25	106.8	/	/	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.	MB	2/2	0738	21427B	2/22	1000	1000	(P)/F	(L)/F
ICV	"	"	0806	2109K87	9/23	100	99.9	(P)/F	(L)/F
CCV	Winkles	2/2/22	13:30	2109K87	9/23	100	98.8	(P)/F	(L)/F
CCV								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.	MB	2/2	0747	210792	2/23	7.02	21.4	7.02	-83.4	(P)/F	(L)/F
Calibr.	"	"	0751	210273	2/23	4.00	21.4	4.00	93.2	(P)/F	(L)/F
Calibr.	"	"	0757	207370	3/23	10.04	21.4	10.04	-263.7	(P)/F	(L)/F
ICV	"	"	0800	207370	3/23	10.0	21.4	10.05		(P)/F	(L)/F
CCV	Winkles	2/2/22	13:32	210273	2/23	4.00	21.8	4.18	83.9	(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 10 170.5, slope from 4 to 7 176.6 (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: 12/2/21
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: Light ; Date of last verification 12/1/21

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	M.B	2/2	0811	0.272	0.272	(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:

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: Craw Daddy RQ- 2022-01-31-18 Project: SMP

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 12/2/21

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.	M. Borden	2/2/22	0735	21.0	758.5	8.9	8.90	99.8		1.95	P / F	L / F
ICV	↓	↓	0742	21.3	758.5	8.9	8.84	99.7			P / F	L / F
CCV	↓	↓	1358	21.6	757.0		8.84	99.2			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.	MB	2/2	0745	210177B	2/22	1000	1000	P / F	L / F
ICV	↓	↓	0808	2109K87	9/23	100	100.0	P / F	L / F
CCV	↓	↓	1353	1103983	2/23	10000	9894	P / F	L / F
CCV								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.	MB	2/2	0749	210792	2/23	7.02	21.4	7.02	-167.0	P / F	L / F
Calibr.	↓	↓	0756	210273	2/23	4.00	21.3	4.00	55.1	P / F	L / F
Calibr.	↓	↓	0802	207370	3/23	10.04	21.3	10.04	-277.1	P / F	L / F
ICV	↓	↓	0804	207370	3/23	10.0	21.2	10.07		P / F	L / F
CCV	↓	↓	1355	210792	2/23	7.0	21.9	7.10		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 10 170, slope from 4 to 7 162.5 (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: 12/2/21
If **NO**, what will be used? (circle one) **Secchi Disk Line / Sonar** Unique ID: _____; Date of last verification: _____

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	MB	2/2	0813	0.272	0.272	(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