

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- 2022-10-03-27 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 8/26/22

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. Bearden	10/6/22	0809	22.7	759.8	8.6	8.63	100.3	—	0.96	(P) F	(L) F
ICV	1	1	0812	22.8	759.9	8.6	8.62	100.0	—	—	(P) F	(L) F
CCV	Kate March	1	1436	26.0	759.0	8.1	8.20	101.1	—	—	(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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	MB	10/6	0817	220328A	4/23	1000	1000	(P) F	(L) F
ICV	KM	1		2204030	4/24	100	100.8	(P) F	(L) F
CCV	KM	1	1439	2204030	4/24	100	99.8	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

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	10/6	0821	210792	2/23	7.01	23.3	7.01	-28.1	(P) F	(L) F
Calibr.			0824	215478	7/23	4.00	23.3	4.00	749.6	(P) F	(L) F
Calibr.			0828	213014	5/23	10.02	23.4	10.02	-202.9	(P) F	(L) F
ICV				213014	5/23	10.02	23.4	10.06	-209.5	(P) F	(L) F
CCV	KM		1442	215478	7/23	4.00	23.2	4.10	143.0	(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 $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;
If mV are recorded: slope from 7 to 10 179.8, slope from 4 to 7 177.7 (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: 8/26/22
If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Knothead Date of last verification: 6/1/22

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 $\pm 5\%$ or ± 0.05 m, 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: Shomp 1 sap RQ: 2022-10-03-41 Project: S/T (TREND)

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 8/26/22

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	10/6/22	0810	23.0	760.1	8.6	8.58	100.0			P/F	L/F
ICV	1		0815	23.0	760.1	8.6	8.61	100.0			P/F	L/F
CCV	Katie March										P/F	L/F
CCV	Victoria Schwartz	10/7/22	0804	22.2	761.6	8.7	8.98	103.2			P/F	L/F

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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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	MB	10/6/22	0818	220328A	4/23	1000	1000	P/F	L/F
ICV	1			2204030	4/24	100	101.9	P/F	L/F
CCV	Katie March		16:18	2204030	04/24	100	100.5	P/F	L/F
CCV	Victoria Schwartz							P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

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	10/6/22	0823	210798	2/23	7.01	23.3	7.01	-32.9	P/F	L/F
Calibr.			0826	215478	7/23	4.00	23.3	4.00	144.0	P/F	L/F
Calibr.			0828	213014	5/23	10.08	23.5	10.02	-211.9	P/F	L/F
ICV			0830	213014	5/23	10.02	23.4	10.01	211.1	P/F	L/F
CCV	Katie March		16:21	215478	07/23	4.00	23.1	4.12	137.3	P/F	L/F
CCV	Victoria Schwartz									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;
If mV are recorded: slope from 7 to 10 177.0, slope from 4 to 7 176.9 (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: _____; Date of last verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____

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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

RQ-2022-10-03-41

Form effective August 1, 2018

CRGT2210