

Horsehole

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 ID: BustaRQ- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

10/2/17

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.	H-Sprinkle	12/12	0653	21.52	8.829	8.83	100.0	56.3	0.9439	☒ P/F	☒ L/F
ICV			0655	21.52	8.829	8.84	101.1	56.3	—	☒ P/F	☒ L/F
CCV			1217	20.44		9.36	102.9	56.3	—	P/F	☒ L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	H-Sprinkle	12/12	0658	2703D66	03/19	1000	1000	☒ P/F	☒ L/F
ICV			0700	2707083	07/19	100	102	☒ P/F	☒ L/F
CCV			1222	2705E06	05/19	500	502	☒ 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	12/12	0703	171628	03/19	7.0	7.00	-21.3	☒ P/F	☒ L/F
Calibr.			0705	171629	04/19	4.0	4.00	135.0	☒ P/F	☒ L/F
Calibr.			0707	170266	03/19	10.0	10.00	-148.8	☒ P/F	☒ L/F
ICV			0709	170266	03/19	10.0	10.03	-147.8	☒ P/F	☒ L/F
CCV			1224	171629	04/19	4.0	3.58	159.7	☒ 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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? ☒ Yes / No If yes, list date of last quarterly depth verification10/2/17

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	H-Sprinkle	12/12	0650	0.17	0.170	☒ 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: