

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

Boldly "X" this box if there is qualified data on

Meter ID:

4SI 556 #1

Project:

GAWESVILLE SC7

RD-2016-03-21-10

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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

01/2016 10

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

01/2016

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 /	Lab /
Calibr.	PO'com	3/28/16	0655	23.2	8.54	8.54	100.0	-	-	Pass	LMB
ICV	↓	↓	0725	23.2	8.54	8.54	100.0	-	-	Pass	LMB
CCV	PO'com	3/28/16	1432	25.2	8.23	8.49	103.0	-	-	Pass	LMB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Calibr.	PO'com	3/28/16	0730	160216A	02/2017	1000	1000	Pass	LMB
ICV	↓		0732	↓	↓	↓	1000	Pass	LMB
CCV	PO'com	3/28/16	1440	150701A	07/2016	100	103	Pass	LMB
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer	Meter reading SU	mV	Pass /	Lab /
Calibr.	PO'com	3/28/16	0734	2509677	08/2017	7.0	7.00	-32.7	Pass	LMB
Calibr.	↓	↓	0737	2509674	09/2017	4.0	4.00	147.5	Pass	LMB
Calibr.	↓	↓	0740	25042510A88	4/2017	10.0	10.06	-206.2	Pass	LMB
ICV	↓	↓	0743	2509677	08/2017	7.0	7.05	-33.5	Pass	LMB
CCV	PO'com	3/28/16	1438	2510A88	04/2017	10.00	10.01	-208.4	Pass	LMB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 m

Depth (Quarterly)

Date of Last Depth Verification

N/A

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode In air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

@ 1040 = 20.76, 170, 0.68, 7.66, 80, 90, 70
 cond. 1, sal. 1, ph 1, mg/L 1