

RA-2016-06-06-45

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 name.

Meter ID:

AES

Project:

Tran 1606

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/7

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chan mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/7/16	7:35	21.1	8.9	8.9	100.0	40.0	1.053	P	L
ICV	"	"	7:37	21.1	8.9	8.9	100.0	400	—	P	L
CCV	A. Hurley	6/7/16	1700	21.3	8.9	8.9	100			P	L
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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/7/16	7:38	260202	2/18	1000	1000	P	L
ICV	"	"	7:40	260302	3/18	100	103	P	L
CCV	A. Hurley	6/7/16	1700	260202	2/18	1000	1000	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/7/16	7:42	156651	10/17	7.0	7.0	-25.8	P	L
Calibr.			7:44	158982	1/18	4.0	4.0	148.8	P	L
Calibr.			7:46	156700	10/17	10.0	10.0	-201.6	P	L
ICV			7:47	156700	10/17	10.0	10.0	-201.5	P	L
CCV	A. Hurley	6/7/16	1700	156651	10/17	7.0	7.0		P	L
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 mV

Depth (Quarterly)

Date of Last Depth Verification

4/7

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	James Pitts	6/7	7:49	0.000	0.000	P	L

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05\text{m}$, whichever is greater

RQ-2016-06-06-44

Trend site
S-8

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 name.

Meter ID:

LIGUS

Project:

SMPC vegetables

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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

3/14/16

DO FDEP 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.	Brewton	6/7/16	8:00	22.3	8.7	8.7	100	53	1.2	P	L
ICV	"	"	8:02	22.3	8.7	8.7	100			P	L
CCV	SKAGGS	6/7/16	17:00	22.9	8.6	8.8	103			P	L
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 FT 1200	Name	Date	Time CT-ET	Lot #	Expir Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Brewton	6/7/16	8:05	2602002	2/18	1000	1000	P	L
ICV	"	6/7/16	8:07	2603000	3/18	100	98	P	L
CCV	SKAGGS	"	17:00	2602002	2/18	1000	1000	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brewton	6/7/16	8:10	1560651	10/17	7.0	7.0	-40	P	L
Calibr.	"	"	8:11	158982	1/18	4.0	4.0	140	P	L
Calibr.	"	"	8:13	1560700	10/17	10.0	10.0	-218	P	L
ICV	"	"	8:15	"	"	10.0	10.0	100mV	P	L
CCV	SKAGGS	6/7/16	17:00	158982	1/18	4.0	4.0	140	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;mV pH7 Range 0 $\pm$ 50;mV pH 4 Range +180 $\pm$ 50;mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

3/8/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewton	6/7/16	8:17	0.000	0.000	P	L

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