

RQ-2017-09-11-16

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: L1 GasProject: SMP

- Notes: (1) Report all digits displayed for each measurement. Do not round before reporting measurements.
 (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

7/11/17

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.	Drew Liddick	9/20/17	730	23.0	8.6	8.6	100	65.5	0.76	☒ F	☒ F
ICV	"	"	730	23.0	8.6	8.6	100	64.5	—	☒ F	☒ F
CCV			1440	25.3	8.2	8.2	101	71.7	—	☒ F	☒ 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; 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.	Drew Liddick	9/20/17	734	2703D66	3/19	1000	1000	☒ F	☒ F
ICV	"	"	736	2703G21	3/19	100	100	☒ F	☒ F
CCV			1446	2703D66	3/19	1000	1001	☒ F	☒ 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.	Drew Liddick	9/20/17	738	162571	4/18	7.0	7.0	-24.9	☒ F	☒ F
Calibr.			740	173531	5/19	4.0	4.0	152.3	☒ F	☒ F
Calibr.			742	163619	6/18	10.0	6.0	-200.0	☒ F	☒ F
ICV			744	163619	6/18	10.0	10.0	-198.8	☒ F	☒ F
CCV			1450	173531	5/19	4.0	4.0	151.3	☒ F	☒ F
CCV									P / F	L / F

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

Is meter equipped with depth sensor? Yes / NoIf yes, list date of last quarterly depth verification 7/11/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.000 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Drew Liddick	9/20/17	746	0.000	0.000	☒ F	☒ F

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

COMMENTS: