

RQ-2017-08-28-31

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: LM 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 Lillard	8/30/17	734	23.5	8.5	8.5	100	64.5	0.18	☒ F	☒ F
ICV			736	23.5	8.5	8.5	100	64.5	—	☒ F	☒ F
CCV			1730	24.4	8.4	8.6	100	67.6		☒ F	☒ 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.	Drew Lillard	8/30/17	738	2703066	3/19	1000	1000	☒ F	☒ F
ICV			740	2703621	3/19	100	101	☒ F	☒ F
CCV			1732	2601525	12/17	5K	4980	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.	Drew Lillard	8/30/17	742	162571	4/18	7.0	7.0	-23.8	☒ F	☒ F
Calibr.			744	171241	3/19	4.0	4.0	55.2	☒ F	☒ F
Calibr.			746	163619	6/18	10.0	10.0	-199.3	☒ F	☒ F
ICV			748	163619	6/18	10.0	10.0	-197.8	☒ F	☒ F
CCV			1734	171241	3/19	4.0	4.0	151.7	☒ 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 / No If 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 Lillard	8/30/17	750	0.000	0.000	☒ F	☒ F

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

COMMENTS: