

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: YSI #4

RQ: 2018-04-09-60

Project: LSJ Downtown F

- 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 4/18

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.	<u>PO Conn</u>	<u>04-12-18</u>	<u>0728</u>	<u>21.5</u>	<u>8.82</u>	<u>8.82</u>	<u>99.9</u>	<u>-</u>		<u>P</u> /F	L/F
ICV	<u>V</u>	<u>V</u>	<u>0735</u>	<u>21.5</u>	<u>8.82</u>	<u>8.82</u>	<u>100.0</u>			<u>P</u> /F	L/F
CCV	<u>JP Conn</u>	<u>4/12/18</u>	<u>1508</u>	<u>24.3</u>	<u>8.37</u>	<u>8.37</u>	<u>100.0</u>			<u>P</u> /F	L/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.	<u>PO Conn</u>	<u>04-12-18</u>	<u>0737</u>	<u>171129A</u>	<u>12-2018</u>	<u>1000</u>	<u>1000</u>	<u>P</u> /F	<u>L</u> /F
ICV	<u>V</u>	<u>V</u>	<u>0740</u>	<u>171129B</u>	<u>12-2018</u>	<u>100</u>	<u>104</u>	<u>P</u> /F	<u>L</u> /F
CCV	<u>JP Conn</u>	<u>4/12/18</u>	<u>1510</u>	<u>1165864</u>	<u>6/18</u>	<u>58,640</u>	<u>57,055</u>	<u>P</u> /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.	<u>PO Conn</u>	<u>04-12-18</u>	<u>0743</u>	<u>274C81</u>	<u>11-2019</u>	<u>7.0</u>	<u>7.00</u>	<u>-9.0</u>	<u>P</u> /F	<u>L</u> /F
Calibr.			<u>0745</u>	<u>274517</u>	<u>10-2019</u>	<u>4.0</u>	<u>4.00</u>	<u>158.0</u>	<u>P</u> /F	<u>L</u> /F
Calibr.			<u>0750</u>	<u>2711527</u>	<u>04-2019</u>	<u>10.0</u>	<u>10.00</u>	<u>-175.1</u>	<u>P</u> /F	<u>L</u> /F
ICV	<u>V</u>	<u>V</u>	<u>0752</u>	<u>274C81</u>	<u>11-2019</u>	<u>7.0</u>	<u>7.02</u>	<u>-9.5</u>	<u>P</u> /F	<u>L</u> /F
CCV	<u>JP Conn</u>	<u>4/12/18</u>	<u>1513</u>	<u>2711927</u>	<u>4/19</u>	<u>10.0</u>	<u>10.05</u>	<u>-176.4</u>	<u>P</u> /F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 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 verification 04-10-18

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						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:

Scanned/QC BD 4/19/18

JP 4/13/18

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:

45144

RQ:

2018-04-09-60

Project:

LSJ Downtown F

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Circle/Fill In: Lab Calibration or

Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

4/18

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.	PO Connor	04-12-18	0728	21.5	8.82	8.82	99.9	-		P/F	L/F
ICV	V	V	0735	21.5	8.82	8.82	100.0			P/F	L/F
CCV	JP	4/12/18	1508	24.3	8.37	8.37	100.0			P/F	L/F
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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.	PO Connor	04-12-18	0743	274C81	11-2019	7.0	7.00	-9.0	P/F	L/F
Calibr.			0745	274517	10-2019	4.0	4.00	158.0	P/F	L/F
Calibr.			0750	274527	04-2019	10.0	10.00	-175.0	P/F	L/F
ICV	V	V	0752	274C81	11-2019	7.0	7.02	-9.5	P/F	L/F
CCV	JP	4/12/18	1513	274527	4/19	10.0	10.05	-176.4	P/F	L/F
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Pressure mode in air						P / F	L / F

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COMMENTS:

QC/Scanned BT 4/19/18 JP 4/13/18