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if there is qualified
data on this page.

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

Project/Site: R2-2016-07-04-3L

Date: 7/5/16

Meter # DEP 113529

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

Dissolved Oxygen		DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
CAL	ICV	CCV	RA	7/5/16	0745			7.6	29.4	100	7.6	P
CAL	ICV	CCV	RA	7/5/16	1100			8.0	26.3	100	8.0	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

Specific Conductance		DEP SOP FT 1200	Initials	Date	Time	Standard $\mu\text{mhos/cm}$	Exp. Date	Lot #	Bottle #	Cell Constant	Reading $\mu\text{mhos/cm}$	Pass or Fail
CAL	ICV	CCV	RA	7/5/16	0745	1413	2/13/17	16-4			1422-1413	P
CAL	ICV	CCV	RA	7/5/16	0750	1413	11/17	2611994			99	P
CAL	ICV	CCV	RA	7/5/16	1600	1413	2/13/17	16-4			1408	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

pH		DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
CAL	ICV	CCV	RA	7/5/16	0750	7	5/17	2506518		-30.4	6.8-7.0	P
CAL	ICV	CCV	RA	7/5/16	0752	4	3/18	2603491	+14.1	-4.0	6.0-6.0	P
CAL	ICV	CCV	RA	7/5/16	0753	10	9/16	2503774		-175.5	9.5-9.9	P
CAL	ICV	CCV	RA	7/5/16	0755	4	3/18	2503491			3.9	P
CAL	ICV	CCV	RA	7/5/16	1605	7	5/17	2506518			7.1	P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

Maintenance: Weekly pH Slope: _____
Notes: _____

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Below, Δ this box
if there is qualified
data on this page.

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 11-10-05

Project/Site: RQ-2016-07-04-34 Date: 7/5/16 Meter # DEP 132237

Temperature (Quarterly) For Date of Last Temperature Verification see in log book

Dissolved Oxygen

DEP SOP FT 1500	Initials	Date	Time	Probe Charge	Probe Gain	mg/L	Temp °C	% DO	Saturation mg/L (from chart)	Pass or Fail
<u>CCV</u>	<u>m</u>	<u>7/5</u>	<u>0705</u>			<u>8.1</u>	<u>26.4</u>	<u>100</u>	<u>8.055</u>	<u>P</u>
<u>CCV</u>	<u>m</u>	<u>7/6</u>	<u>1105</u>			<u>8.5</u>	<u>23.5</u>	<u>100</u>	<u>8.498</u>	<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>

Acceptance Criteria: ± 0.3 mg/L

Specific Conductance

DEP SOP FT 1200	Initials	Date	Time	Standard μ mhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading μ mhos/cm	Pass or Fail
<u>CAL</u>	<u>m</u>	<u>7/5</u>	<u>0710</u>	<u>12900</u>	<u>6/24/17</u>	<u>KCL 10-1</u>			<u>12900</u>	<u>P</u>
<u>ICV CCV</u>										<u>P</u>
<u>ICV CCV</u>	<u>m</u>	<u>7/5</u>	<u>0711</u>	<u>1413</u>	<u>2/23/17</u>	<u>KCL 10-4</u>			<u>1414</u>	<u>P</u>
<u>ICV CCV</u>	<u>m</u>	<u>7/6</u>	<u>1110</u>	<u>100</u>	<u>1/17</u>	<u>2511994</u>			<u>104</u>	<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>

Acceptance Criteria: $\pm 5\%$

pH

DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
<u>CAL</u>	<u>m</u>	<u>7/5</u>	<u>0715</u>	<u>7</u>	<u>05/17</u>	<u>2506518</u>		<u>-26.1</u>	<u>7.0</u>	<u>P</u>
<u>ICV CCV</u>										<u>P</u>
<u>ICV CCV</u>	<u>f</u>	<u>7/6</u>	<u>0716</u>	<u>4</u>	<u>07/17</u>	<u>2507749</u>		<u>150.9</u>	<u>4.0</u>	<u>P</u>
<u>ICV CCV</u>	<u>f</u>	<u>7/6</u>	<u>0717</u>	<u>10</u>	<u>09/16</u>	<u>2503774</u>		<u>-192.4</u>	<u>10.0</u>	<u>P</u>
<u>ICV CCV</u>	<u>f</u>	<u>7/6</u>	<u>0718</u>	<u>4</u>	<u>07/17</u>	<u>2507749</u>			<u>4.0</u>	<u>P</u>
<u>ICV CCV</u>	<u>m</u>	<u>7/6</u>	<u>1115</u>	<u>10</u>	<u>09/16</u>	<u>2503774</u>			<u>10.0</u>	<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>
ICV CCV										<u>P</u>

Acceptance Criteria: ± 0.2 SU

Maintenance: Weekly pH Slope: _____

Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes:

Perform only in Calibrate Mode: **CAL** - Calibrate
Perform only in Run Mode: **ICV** - Initial Calibration Verification
Perform only in Run Mode: **CCV** - Continuing Calibration Verification