

Form FD9000-8 CALIBRATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) 07-02-14 B.R.

Project/Site: NWE-ROC

SNP

Date:

3/14/16

Meter #:

YSI 550 MPS, DEP 133663 NM

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	N/A	3/14/16	0800		8.43	28.0	98.3	8.578	P
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F

Specific Conductance	DEP SOP FT 1200	Initials	Date	Time	Standard umhos/cm	Exp. Date	Lot #	Bottle #	Cell Constant	Reading umhos/cm	Pass or Fail
----------------------	-----------------	----------	------	------	-------------------	-----------	-------	----------	---------------	------------------	--------------

CAL	ICV	CCV	N/A	3/14/16	0800	14/3	28/16	NCL 16-2		14/3	P
CAL	ICV	CCV	N/A	3/14/16	1730	100	11/17	251994		109	P
CAL	ICV	CCV						251994		101	P
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	Slope	Reading SU	Pass or Fail
----	-----------------	----------	------	------	-------------	-----------	-------	----------	-------	------------	--------------

CAL	ICV	CCV	N/A	3/14/16	0800	7	6/16	4405408		701	P
CAL	ICV	CCV	N/A	3/14/16	1730	14	6/16	2507797		4.00	P
CAL	ICV	CCV						251994		4.99	P
CAL	ICV	CCV						4405408		7.04	P
CAL	ICV	CCV						2507797		4.07	P
CAL	ICV	CCV									F
CAL	ICV	CCV									F
CAL	ICV	CCV									F

Maintenance: Weekly pH Slope: _____ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed? Yes No

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

"This box if the... is qualified data on this page."

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

Indicate 'Y' in this box if data is quality data on this page.

Project/Site: SNP

Date: 3/14/16

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
------------------	-----------------	----------	------	------	--------------	------------	------	---------	------	------------------------------	--------------

CAL	ICV	CCV	AK	3/14/16	0810		1.00738	8.67	22.7	100	87.94	P
CAL	ICV	CCV	AK	3/14/16	1730			8.39	24.4	101	8.356	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

Acceptance Criteria: $\pm 0.3 \text{ mg/L}$

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	AK	3/14/16	0815	12000	6/17	2507505		10346 - 10000	P
CAL	ICV	CCV	AK	3/14/16	0815	1913	7/8/16	KEL-16-2		1393	P
CAL	ICV	CCV	AK	3/14/16	1730	100	11/17	2511994		101	P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P
CAL	ICV	CCV									P

Acceptance Criteria: $\pm 0.5\%$

pH	DEP SOP FT 1100	Initials	Date	Time	Standard SU	Exp. Date	Lot #	Bottle #	mV / Slope	Reading SU	Pass or Fail
----	-----------------	----------	------	------	-------------	-----------	-------	----------	------------	------------	--------------

CAL	ICV	CCV	AK	3/14/16	0820	7	6/16	4405608		~19.0	7.0 - 7.2	P
CAL	ICV	CCV			0822	4	7/17	2502949		158.6	4.0 - 4.5	P
CAL	ICV	CCV			0824	10	6/16	2501462		~185.5	4.8 - 10.5	P
CAL	ICV	CCV	AK	3/14/16	0825	4	4/17	2502949		4.0		P
CAL	ICV	CCV			0825	4	5/16	4405608		7.1		P
CAL	ICV	CCV			1235	7						P
CAL	ICV	CCV										P
CAL	ICV	CCV										P
CAL	ICV	CCV										P

Acceptance Criteria: $\pm 0.2 \text{ SU}$

Maintenance: Weekly pH Slope: _____ Specific Conductance Probe Cleaned? Yes No Dissolved Oxygen Membrane Changed: Yes No

Notes: