

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Bruce

RQ: 2022-05-02-37

Project: BMAP 1

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 2/13/22

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	5/2/22	803	21.2	764.0	8.9	—	100.5	—	1.0248	P/F	L/F
ICV		↓	808	21.3	764.1	7.9	8.88	100.3	—	1.0248	P/F	L/F
CCV	K. Villinger	↓	1538	21.4	762.5	8.9	8.86	100.3	—	1.0248	P/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 (Pro DSS 0.75 to 1.50); 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	5/2/22	811	220225A	3/2023	1000	1000	P/F	L/F
ICV		↓	815	211122A ^B	12/2022	1413	1414	P/F	L/F
CCV	K. Villinger	↓	1539	211122A	12/22	15000	15007	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	5/2/22	825	2112B19	12/2023	7.01	21.5	7.01	-10.7	P/F	L/F
Calibr.		↓	826	2201D88	1/2024	4.00	21.4	4.00	163.9	P/F	L/F
Calibr.		↓	830	2202A63	7/2023	10.03	21.8	10.03	-184.7	P/F	L/F
ICV		↓	837	2112B19	12/2023	7.01	21.6	7.03	-11.0	P/F	L/F
CCV	K. Villinger	↓	1544	2201D88	1/2024	4.00	21.7	4.08	160.0	P/F	L/F
CCV		↓	1551	2202A63	7/23	10.04	21.3	10.06	-186.6	P/F	L/F

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

mV pH 4 Range +180 ± 50;

mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 174, slope from 4 to 7 174.6 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 2/13/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

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	Kim Appleby	5/2/22	837	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5% or ± 0.05m, whichever is greater.

COMMENTS:



DIVERSIFIED
ENVIRONMENTAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Project Number:

(Lab Use Only)

3653 Regent Boulevard, Suite # 509

Jacksonville, FL 32224

P. (904) 807-9625 E. info@delilab.com

F. (904) 807-9627

Page 1 of 1

Company Name <u>Florida Department of Environmental Protection</u>								Container Information (Qty, Size, & Type)								Sample Matrix Codes:			
Address <u>8800 Baymeadows Way W</u>								NPW NPW NPW								A. Air P. Petroleum B. Bulk S. Soil/Sludge W. Wipe O. Other PW. Potable Water NPW. Non-Potable Water			
City <u>Jax</u> State <u>FL</u> Zip <u>32256</u>								Container Preservation Codes								Sample Kit or Container Lot #			
Attn. <u>Jeremy Parrish</u> <u>Jeremy.M.Parrish@floridadep.gov</u>								6 6 6											
Tel. E-mail or Fax <u>DEP-overflowmicro@dep.state.fl.us</u>								Parameters								Preservation Codes:			
Project Name <u>BMAP1</u>								E. Coli - Quantitray Enterococci - Quantitray Coliform, Fecal - MF 3 Dilutions								0. None 5. Na2S2O3 1. H2SO4 6. Crushed Ice (4C) 2. HNO3 7. C6H8O6 3. HCl 8. NH4Cl 4. NaOH 9. Other: (List)			
Project Number <u>RQ-2022-05-02-37</u>																Thermal Preservation:			
Project Location																In Crushed Ice? <u>Yes</u> / No			
Sampler Name/Signature <u>Katrin Villinger</u>																Cooler Temp: <u>1.1</u> °C			
Transfer #	Sample # (Lab Use Only)	Sample Identification	Date Sampled	Time Sampled	Sample Matrix Code	Specific Cond. (Field)	Comp	Grab									Sample Cont. Temp: <u>1.8</u> °C		
1		20030958 *	5/2/22	1320	NPW	6242		✓		1							Turnaround Requested:		
2		20030793 *	5/2/22	1310	NPW	5755		✓		1							☒ Standard (10 Business Days)		
3		20030760 *	5/2/22	1120	NPW	364		✓		1							☐ Semi-Rush (3-5 Business Days)		
4		20030082 *	5/2/22	1140	NPW	2565		✓		1							☐ Rush (1-2 Business Days)		
5		20030891	5/2/22	1350	NPW	434		✓		1							Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.		
6		20030801	5/2/22	1215	NPW	570		✓		1							Billing Information:		
7		20030953 *	5/2/22	1240	NPW	434		✓		1							☐ Invoice with Report		
8																	☐ Invoice to Accounting		
9																	Req. #:		
0																	P.O. #:		
Special Instructions: <u>* Please dilute marked samples 10x due to high bacteria amount.</u>								Transfer Numbers				Relinquished By				Date / Time			
								1-7				<u>Katrin Villinger</u>				<u>5/2/22 1432</u>			



Certification #E821059