

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: YSE BRUE

RQ: 2021-09-06-21

Project: SMP Villano bt

- 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 8/16/21

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.	JPamsh	9/20/21	730	20.6	761	9.0	9.0	100.1	—	1.033	P/F	L/F
ICV	J	9/20/21	731	20.6	761	9.0	9.0	100.1	—	1.033	P/F	L/F
CCV	JPamsh	9/20/21	1510	22.1	761	8.7	8.72	100.2	—	—	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 μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	JPamsh	9/20/21	732	21042615	5/22	1000	1000	P/F	L/F
ICV	J	9/20/21	735	21042615	5/22	50014	50014	P/F	L/F
CCV	JPamsh	9/20/21	1511	21042615	5/22	20072	20072	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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	JPamsh	9/20/21	737	21042615	4/23	7.	20.9	7.00	-35.3	P/F	L/F
Calibr.	J	9/20/21	738	2103659	5/23	4.	21.0	4.00	137.8	P/F	L/F
Calibr.	J	9/20/21	739	2107404	12/22	10.	21.0	10.00	-204.4	P/F	L/F
ICV	J	9/20/21	740	2103659	5/23	4.	20.9	4.09	132.1	P/F	L/F
CCV	JPamsh	9/20/21	1513	2107404	12/22	10.	21.6	10.11	-212.0	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 169.1, slope from 4 to 7 179 (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: 8/16/21

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	JPamsh	9/20/21	743	0.00	0.00	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:

Cyanobacteria Bloom Response Field Data Sheet

2021-09-06-43
 RQ-2019-09-06-43
 Customer: 21 FLA
 Project ID: BLOOM_RESP
 Collected By: JPamsh
 Field Report Prepared By: JPamsh
 Sampling Agency: FDEP

Contains: Conc. H2SO4
 Lot No.: SA1105060
 Expires: 04/30/22
 See Safety Data Sheet (SDS)

WIN ID/Field ID:



NEHAB0030

LSJR @ N Ridge Dr

Comments:

Diffuse bloom 76 saved

Collection Equipment:

Pole/Bottle

Matrix:

Grab

Coordinates:

30.091790, -81.692590

Tide:

☐ Rising

☒ Falling

☐ Slack

☐ N/A

High Tide Time:

Low Tide Time:

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
9/20/21	1345	7.22	96.3	30.4	7.86	0.3	730	0.35	0.85	0.8

Bloom Observations

Algal Bloom Observed?

☒ Yes

☐ No

Water Surface

☒ Clear

☐ Scum

☐ Globbs

☐ Slick

Water Clarity

☐ Clear

☒ Slightly Turbid

☐ Turbid

☐ Opaque

Bloom Color

☒ Green

☐ Red

☐ Brown

☐ Other:

Algae Distribution

☒ Suspended in water column

☐ On surface

☐ Other:

Water Odors

☒ Normal

☐ Sewage

☐ Petroleum

☐ Chemical

Other:

Parameter Suite

Parameter Methods

Preservation

pH
Check

#Bottles
Sent to
Lab

Bottle
Group

Bloom ID (PT-50ML)

☒ BLOOM-ID

☒ Ice

1

A

Chlorophyll (BP-1L)

☒ CHLSUITE-W

☒ Ice

1

B

Toxins (BG-WD250)

☒ W-MCYST-AA

☒ Ice

1

B

Preserved Nutrients
(500mL HDPE)

☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP

☒ Ice

☒ H2SO4

☒ <2

1

B

Lot

Exp:

☐ <2

Filtered Nutrients
(P125mL)

☒ W-PO4-F

☒ Field Filtered 0.45um Filter

☒ Ice

POB38756

1

B

Quantitative Algae

☐ DTY-QN-C / PKD-QN-C

☐ Ice

☐ Lugols

Relinquished By:

Date/Time

Number of Coolers Shipped

Received By:

Date/Time

JPamsh

9/20/21 1600

1