

Login Checklist

RQ-_____

Login Station ID: _____

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: _____

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	

COOLER CHECK

***All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** _____
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** _____

Chain of Custody/ Field Sheet(s) Included? Yes _____ No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes _____ No _____

CONTAINER CHECK

Evidence Tape on Bottles? Yes _____ No _____ NA _____ Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes _____ No _____ Containers intact? Yes _____ No _____

Caps on tight? Yes _____ No _____

Sufficient Sample Volume: Yes _____ No _____

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. **NCR#** _____

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes _____ No _____ Init: _____

Chlorine detected? (One container checked per Field ID) Yes _____ No _____ Init: _____

If chlorine is detected, generate an NCR listing affected sample IDs . **NCR#** _____

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

****Acid Preserved Samples:** pH< 2.0? Yes _____ No _____ NA _____ Init: _____

****W-1-4-DIOX** (Green dot on container) preserved to pH<4.0? Yes _____ No _____ NA _____ Init: _____

If samples were not preserved correctly, generate an NCR listing affected sample IDs . **NCR#** _____

Coolers Unpacked/Checked by: _____ Date: _____ Event contains NCRs (Y/N)? _____

Event ID: _____

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	
Chlorine Test Strips	

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ Init: _____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

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: Stitch

RQ- 2022-10-31-24

Project: SMP CM SAN

Sebastian

- 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 11/14/22

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.	<u>K. Villings</u>	<u>11/16/22</u>	<u>838</u>	<u>22.6</u>	<u>763.4</u>	<u>8.7</u>	<u>—</u>	<u>100.4</u>	<u>—</u>	<u>1.053</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>844</u>	<u>22.7</u>	<u>763.5</u>	<u>8.7</u>	<u>8.65</u>	<u>100.4</u>	<u>—</u>	<u>1.053</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>↓</u>	<u>↓</u>	<u>1621</u>	<u>22.7</u>	<u>763.4</u>	<u>8.8</u>	<u>8.77</u>	<u>99.7</u>	<u>—</u>	<u>1.053</u>	<u>P/F</u>	<u>L/F</u>
CCV											<u>P/F</u>	<u>L/F</u>

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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	<u>K. Villings</u>	<u>11/16/22</u>	<u>846</u>	<u>220719A</u>	<u>7/23</u>	<u>1000</u>	<u>1000</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>854</u>	<u>211122A</u>	<u>12/22</u>	<u>15000</u>	<u>15090</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>↓</u>	<u>↓</u>	<u>1629</u>	<u>220225B</u>	<u>3/23</u>	<u>50000</u>	<u>50220</u>	<u>P/F</u>	<u>L/F</u>
CCV								<u>P/F</u>	<u>L/F</u>

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.	<u>K. Villings</u>	<u>11/16/22</u>	<u>857</u>	<u>M118-15</u>	<u>5/2/24</u>	<u>7.01</u>	<u>22.7</u>	<u>7.01</u>	<u>-33.8</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>902</u>	<u>L344-18</u>	<u>12/29/23</u>	<u>4.00</u>	<u>22.8</u>	<u>4.00</u>	<u>141.0</u>	<u>P/F</u>	<u>L/F</u>
Calibr.	<u>↓</u>	<u>↓</u>	<u>904</u>	<u>M103-01</u>	<u>4/19/24</u>	<u>10.02</u>	<u>22.7</u>	<u>10.02</u>	<u>-202.6</u>	<u>P/F</u>	<u>L/F</u>
ICV	<u>↓</u>	<u>↓</u>	<u>908</u>	<u>M118-15</u>	<u>5/2/24</u>	<u>7.01</u>	<u>22.7</u>	<u>7.05</u>	<u>-35.0</u>	<u>P/F</u>	<u>L/F</u>
CCV	<u>↓</u>	<u>↓</u>	<u>1634</u>	<u>M103-01</u>	<u>4/19/24</u>	<u>10.02</u>	<u>22.9</u>	<u>10.08</u>	<u>-21.3</u>	<u>P/F</u>	<u>L/F</u>
CCV										<u>P/F</u>	<u>L/F</u>

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 10 173.8, slope from 4 to 7 174.8 (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: 11/14/22

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	<u>K. Villings</u>	<u>11/16/22</u>	<u>909</u>	<u>0.000</u>	<u>0.000</u>	<u>P/F</u>	<u>L/F</u>

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

COMMENTS:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 11/16/2022
Customer: NE-DIST
RQ: RQ-2022-10-31-24

Collected By: Katrin Villinger, Brian Davis
Sampling Agency: FDEP
Project ID: SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 0

Delivery Method: HandDelivered

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
SAN SEBASTIAN RIVER @ US 1	 27010141

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 11/16/2022
1600EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

Rec'd/Inspected Date:

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	SAN SEBASTIAN RIVER @ US 1				Sample Date:	11/16/2022	
WIN / Field ID:	27010141	ORG ID:	21FLA	ENR:	ENRT2		
County:	St. Johns	WBID:	2491	ESTUARY	3M		
Receiving Body of Water:	Matanzas River Upper Segment				RQ-	2022-10-31-24	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Katrin Villinger	x		x		
Brian Davis		x		x	x

Sampling Equipment			
x	Sample Container		Carboy
	Dipper		Van Dorn
	Syringe		Pole
Syringe Lot#		Filter Lot#	
Secchi Equipment ID:		D#3	
Collection Method			
	Wading		Canoe/Kayak
	From Shore		Electric Motor
		x	Gasoline Motor
Depth Measured With		Meter	

Water Level:	High
Flow:	Flowing
Matrix:	Marine
Tide Stage:	Rising
High Tide:	754
Low Tide:	1408
Photos:	No
Meter ID:	Stitch
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPTth)
EST	1210	3.262	0.3	5.22	69.3	21.9	7.46	0.7	40247	25.77
	1215		2.762	5.21	69.2	21.9	7.47		40549	25.96

Biological Samples Collected: None**SBIO Visit ID:** **HA ID:** **RPS ID:** **Macrophyte ID:** **LIMS Sample ID Entered Into The Macrophyte Module:**

Parameter Suite	Parameter Methods (LIMS Test Codes)	Preservation			
		Type	Lot#	Expiration Date	pH Check
Microbiology	Contract Lab Enterococci Diversified	ICE			
Chlorophyll					
Physical/Aggregate Nutrients					
Filtered Nutrients			Syringe Lot#; Filter Lot#:		
Acid Preserved Nutrients					
Metals					
Organics (LC)					
Macroinvertebrates					
Organics (GC)					
Molecular					
Periphyton					
Phytoplankton					
BOD					
DOC			SyringeLot#	FilterLot#	
Other(s)					
Field Comments:	Cloudy/ overcast. Week after hurricane nicole				
Comments on COC:	Microbiology sample(s) submitted to contract laboratory.				
Relinquish Date:	11/16/2022	Signature:			

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: _____ (Initials/Date)

Save Field Sheets on Network: BD 11/16/2022 (Initials/Date) Migrate Data to WIN: _____ (Initials/Date)



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 Florida Department of Environmental Protection										Container Information (Qty, Size, & Type)								Sample Matrix Codes:			
Address 8800 Baymeadows Way West										NPW NPW NPW								A. Air P. Petroleum B. Bulk S. Soil/Sludge W. Wipe O. Other PW. Potable Water NPW. Non-Potable Water			
City Jacksonville State FL Zip 32256										Container Preservation Codes								Sample Kit or Container Lot #			
Attn. Dep-overflowmicro@fldep.state.fl.us										6 6 6								NA			
Tel. E-mail or Fax										Parameters								Preservation Codes:			
Project Name SMP CM San Sebastian										E. Coll - 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 2022-10-31-24																		Thermal Preservation:			
Project Location																		In Crushed Ice? Yes / No			
Sampler Name/Signature Katrin Vilinger																		Cooler Temp: 0.3 °C			
Transfer # Sample # Sample Identification Date Sampled Time Sampled Sample Matrix Code Specific Cond. (Field) Comp Grab																		Sample Cont. Temp: 3.4 °C			
1 27010141 11/16/22 1210 NRJ 40247																		Turnaround Requested:			
2																		X Standard (10 Business Days)			
3																		Semi-Rush (3-5 Business Days)			
4																		Rush (1-2 Business Days)			
5																		Turnaround times are estimated & subject to change. Surcharges apply for all Rush samples.			
6																		Billing Information:			
7																		Invoice with Report			
8																		Invoice to Accounting			
9																		Req. #:			
0																		P.O. #:			
Special Instructions:																		Transfer Numbers Relinquished By Date / Time Received By Date / Time			
										1 11/16/22 1455 DC VC 11/16/22 1455											



Certification #E821059

Lab General Form 059, Rev. #1, Rev. Date: 02/07/22, Effective Date: 02/07/22.

Visit us online & order kits at: www.delilab.com

Date of Request: 07-OCT-2022
 Created By: PARRISH_J On: 07-OCT-2022
 Modified By: JASROTIA_P On: 17-OCT-2022
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Event Description: San Sebastian retrieve

Send Coolers To:

Phone: 904-256-1693
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Cooler Ship EMail: Jeremy.M.Parrish@Floridadep.gov

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 14-OCT-2022
 Biology Request Reviewed By: JASROTIA_P On: 17-OCT-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 31-OCT-2022
 Logged In By: BAXTER_R On: 05-DEC-2022

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish
 Report Notification EMail: Jeremy.M.Parrish@floridadep.gov

Comments: Group A:(Surf.Salt) Nutrients, Metal, Bacteria
 Group B:(Surf.Salt)Bacteria

Packing Notes:**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO ₃ /L
Total Alkalinity		
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Turbidity		
W-F	Template: DEFAULT	(SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Fluoride		
W-TSS	Template: DEFAULT	(SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
TSS		
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-DIV-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by Diversified Environmental Laboratories in Jacksonville
Enterococci-Quanti-Tray		
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template: SMP-MARINE	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: SMP-MARINE	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
*Strontium		
Aluminum		
Antimony		
Arsenic		
Beryllium		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		
Thallium		
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
Total-P		
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Kjeldahl Nitrogen		
W-TOC	Template: DEFAULT	(SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
Organic Carbon		

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-DIV-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by Diversified Environmental Laboratories in Jacksonville
Enterococci-Quanti-Tray		

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.