Login Checklist

RQ- 2023-04-17-44

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 05/10/23 @ 0935

*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	
0.9				5		x			585947351715

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 X No_____

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

CONTAINER CHECK

Evidence Tape on Bottles? Yes_____ No_____ NA X Evidence Tape intact? Yes_____ No _____

If Criminal, photographs taken? Yes ____ No_____ Containers intact? Yes X No _____

Caps on tight? Yes X No ____

Sufficient Sample Volume: Yes X 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 X Init: BKK

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 X No_____ NA_____ Init: BKK

**W-1-4-DIOX *(Green dot on container)* preserved to pH< 4.0? Yes_____ No_____ NA X Init: BKK

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

Coolers Unpacked/Checked by: BKK **Date:** 05/10/23 **Event contains NCRs(Y/N)?** N

Event ID: Algal Bloom Response -SOROC
WQAP-2023-05-10-02 (BLOOM-RESP)
-Date Received: 10-MAY-2023 09:35

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #3 Exp:10/17/2023
pH Test Strips 0 – 6	Lot#223819AV | Exp:8/30/23
pH Paper 0 – 3	
pH Paper 0 – 13	Lot#210620 | Exp:3/15/24
Chlorine Test Strips	Lot#1196 | Exp:2/24

Additional Comments:

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# _____

Effective Date: 08/16/2022
Revision Date: 08/15/2022
Revision Author: T Balkcom

AB-FIELD-2.3

Cyanobacteria Bloom Response Field Data Sheet (2022-08-15 v1)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

RQ - 2023-04-17-44		**Collected By:**	John Barrington, Thomas Baker
Customer:	WQMP	**Field Report Prepared By:**	John Barrington
Project ID:	BLOOM_RESP	**Sampling Agency:**	SOROC

Location: Elckam Canal - SR41

Comments: Algal bloom present throughout canal system. Most severe area is found between 2 weirs. Canal is flowing over both weirs. Severe scum collecting at upstream weir.

Field ID: HAB-SD-050923-0940

Coordinates: 26.98229, -82.09492

WIN Secondary Resource Type: Canal

Collection Equip: WaterBottle

WIN ID:

High Tide Time:

Low Tide Time:

Matrix: Fresh | Grab

Tide: ☐ Rising ☐ Falling ☐ Slack ■ N/A

Water Quality

Date	Time ■ EST ☐ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
05/09/2023	09:40	102.8	8.1	27.3	8.27	0.3	0.7	0.4	445.5	0.21

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	☐ Slightly Turbid	■ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	■ Mat	☐ Specks	■ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	■ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algal ID (PT-50mL)	☐ ALGAL-ID	☐ Ice			
Bloom ID (PT-50mL)	■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP Acid Lot: SA3013020 Exp: 1/25/23	■ Ice ■ H2SO4	■ <2	1	B
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Filter Lot # 17589311	■ Ice		1	B
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
John Barrington	05/09/2023 11:00	1	BKL	5/10/2023 0935

RQ-2023-04-17-44

Date of Request: 06-APR-2023
Created By: BARRINGT_J On: 06-APR-2023
Modified By: AYRES_J On: 08-MAY-2023
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District: SOROC
Event Description: Algal Bloom Response -SOROC

Send Coolers To:

Phone: 239-344-5720
2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: John Barrington
Cooler Ship EMail: john.barrington@floridadep.gov

Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: AYRES_J On: 08-MAY-2023
Biology Request Reviewed By: AYRES_J On: 08-MAY-2023
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped: YES On: 10-APR-2023
Sampling Kit Packed By: PENDLETO_C
Preservatives Needed: NO
Date to Receive Samples: 17-APR-2023
Logged In By: KLUG_K On: 09-MAY-2023

Send Final Report To:

2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: John Barrington
Report Notification EMail:
kalina.warren@dep.state.fl.us;Cheryl.Swanson@dep.state.fl.us;Nicole.Reistad@floridadep.gov;John.Barrington@floridadep.gov;Gary.Snorek@dep.state.fl.us

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

Bottle Group A - Priority 1
For algal dominant taxon.

Bottle Group B - Priority 1
For toxins, nutrients, chlorophyll,

There are multiple bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgement to decide which samples are appropriate to collect for a particular response. All sets of bottles do not have to be filled at one time.

Please print two copies of algal job labels at login

Bottle Group A (Biological) With 8 Samples:

Bottle Type: PT-50ML Number of Bottles: 8 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB18) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 8 Samples:

Bottle Type: BP-1L Number of Bottles: 8 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10150 B) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-125ML Number of Bottles: 8 Preserved With: ICE
W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
W-SAXTN-MS Template: DEFAULT (EPA 8321B) Saxitoxin in water matrices by HPLC/MS/MS
Bottle Type: P-500ML Number of Bottles: 8 Preserved With: ICE And H2SO4
W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Bottle Type: P-125ML Number of Bottles: 8 Preserved With: FILTER-ICE
W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group C (Water) With 8 Samples:

Bottle Type: P-125ML Number of Bottles: 8 Preserved With: ICE

Bottle Group C (Water) With 8 Samples:

Bottle Type: P-125ML		Number of Bottles: 8	Preserved With: ICE
W-MCYST-AA	Template: DEFAULT	(EPA 8321B)	Microcystins in water matrices by HPLC/MS/MS
W-SAXTN-MS	Template: DEFAULT	(EPA 8321B)	Saxitoxin in water matrices by HPLC/MS/MS
Bottle Type: P-500ML		Number of Bottles: 8	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0)	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0)	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0)	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0)	Total Kjeldahl Nitrogen in aqueous matrices
Bottle Type: P-125ML		Number of Bottles: 8	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0)	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

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

Cooler Packing Worksheet for Request: RQ-2023-03-13-44
St. Lucie; Potable Water Monitoring Program
Ship Cooler On: 3/10/2023
Customer/Project: DWASTEWELL/FC

Assigned To: SHAIK_A
Requester: Shawn Reaves
Priority: 2

772-873-4931
St. Lucie Co. Health Dept.
3855 S US 1 Hwy, Suite A
Fort Pierce, FL 34982

Attn: Joanne Evans

Comments:
No preservatives needed.

10 - samples (PFAS)
1 - FRB's (Group B) ✓

1 - 500ml bottle of PFAS free water ✓
Include the DOH PFAS Sampling instructions ✓

##########
Bottle Count:
ALL samples & EQBs - 2 bottles per sample with the exception of one bottle group A sample set, it will include 4 bottles (2 sample | 2 matrix spikes), please fill those 4 bottles from one site. This is NOT a Dupicate sample.
##########

Login Field Comments

Requested Analyses:

Bottle Group: A # of Sites: 10

Container ID: P-125ML HDPE PFAS **Qty: 22** **Preservation: ICE** **Lot #** K116IZN

Description: 125ml HDPE bottle for PFAS (2-bagged) Affix BLUE dot to container.

Analysis	Description
W-PFAS-MS	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS

Bottle Group: B # of Sites: 1

Container ID: P-125ML HDPE PFAS **Qty: 2** **Preservation: ICE** **Lot #** K116IZN

Description: 125ml HDPE bottle for PFAS (2-bagged) Affix BLUE dot to container.

Analysis	Description
W-PFAS-MS	Perfluorinated alkyl substances in water matrices by HPLC/MS/MS

Cooler Packed By: AR Number of Coolers: 1 Date: 3-10-23

Kit must also include:
- X Field Sheets
- J Temperature Control Bottle
- / FedEx Bills, if applicable
- ___ Plastic Bags/Zip Ties
- Y Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2023-03-13-44

PER & POLYFLUORINATED ALKYL SUBSTANCES (PFAS)

DOH PFAS SAMPLING AND SHIPPING INSTRUCTIONS

Please read all the instructions thoroughly before sampling.

Before Sampling

- Do not use materials containing Tyvek® or Teflon® during the sampling process
- Do not used cosmetics, moisturizers, hand cream, or other related products the morning of sampling.
- Do not use sunscreen or insect repellant
- Nitrile gloves MUST be worn during the sample collection and FRB transferring steps
- Fill cooler with SUFFICIENT wet ice | The temperature should be <6°C when received by the LAB
- Plan to have samples collected just prior to the normal pick-up time of your overnight carrier

PFAS- Sampling Steps / Instructions

(2 or 4 -250 ml plastic bottles per sample)

- If your sampling point has a faucet with an aerator, it must be removed prior to collection of the samples. Flush the cold-water sampling line immediately prior to sampling.
- Do not touch the inside of the cap or around the edge of the bottle
- Slow the water stream before collection
- Remove caps, fill the sample bottles to the neck, replace the caps and tighten.
- **Each sample requires filling two or four 250mL HDPE or polypropylene plastic bottles per sample** The four-bottle set(s) are for QC purposes. One set must be collected for every ten samples.
- Clearly indicate sampling **date, time, and Fluid ID** on the bottle labels, the DOH Sample Submittal Form, DOH Chain of Custody cover-page
- Information on the DOH Sample Submittal Form, DOH Chain of Custody cover-page, and sample labels must match and be complete.

PFAS- Field Reagent Blank (FRB) Steps/ Instructions

(1 -250 ml plastic bottles per sample)

- **One FRB is poured up for every 10 samples collected**
- The bottle(s) labeled (FRB) are the Field Reagent Blanks
    - Example: If 20 sample are collected then 2 FRB (from random sites) will need to be collected
- Open the FRB bottle and pour the supplied PFAS free/FRB Water into the empty bottle designated for Field Reagent Blank
- Clearly indicate sampling **date, time, and Fluid ID** on the bottle labels, the DOH Sample Submittal Form, and DOH Chain of Custody cover-page.
- Information on the DOH Sample Submittal Form, DOH Chain of Custody cover-page, and sample labels must match and be complete. See back page for example.

Shipping Instructions

- All samples and FRBs are shipped pre- bagged and must be returned in the same bag
- Place bagged samples in a bag of wet ice. Place samples, DOH Sample Submittal Form, and DOH Chain of Custody cover-page into shipping container.
- Please make sure the paperwork is sealed in the Ziplock bag and taped to the underside of the cooler's lid. | Hand delivered or sent by an overnight carrier