

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By: Veronica Runge + et al

Project ID: SPPROJECTS

Collected By: Kirby Wolfe, Veronica Runge, Kaitlin DeArth + Carey Anderson

Sampling Agency: FDEP - SROC

Location	RQ-2017-04-03-02		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1111	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	4/11/2017 Please Write Date & Time Lake Istokpoga	G4SD0154 Field ID STORET G4SD0154 		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 9.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #	Algae SE			Temp (C) 21.2	pH 8.6	Sample Depth 0.3	Sp. Conductance (umho/cm) 192	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			A, B, C
Location	RQ-2017-04-03-02		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1150	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	4/11/2017 Please Write Date & Time Lake Istokpoga	G4SD0156 Field ID STORET G4SD0156 		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 10.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #	Algae CEN			Temp (C) 21.3	pH 8.8	Sample Depth 0.3	Sp. Conductance (umho/cm) 117	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			A, B, C
Location	RQ-2017-04-03-02		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1200	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	4/11/2017 Please Write Date & Time Lake Istokpoga	G4SD0151 Field ID STORET G4SD0151 		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 9.8	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #	Algae NE			Temp (C) 21.3	pH 8.1	Sample Depth 0.3	Sp. Conductance (umho/cm) 199	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			A, B, C
Location	RQ-2017-04-03-02		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1245	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	4/11/2017 Please Write Date & Time Lake Istokpoga	G4SD0152 Field ID STORET G4SD0152 		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 10.1	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #	Algae NW			Temp (C) 22.9	pH 8.8	Sample Depth 0.3	Sp. Conductance (umho/cm) 198	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			A, B, C

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Veronica Runge	4/11/17	Fed Ex	2	SR	4-12-17/9:50

Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
BLOOM-ID							
Group: B	Bottle Type:	BG-WD250	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
CHLSUITE-W							
Group: C	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
TURBIDITY W-COLOR W-TSS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC							
Group: C	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	6
W-PO4-F							
Group: D	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	6
DTY-QN-C PKD-QN-C							

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Project ID: SPPROJECTS

Requester: Kirby Wolfe

Field Report Prepared By: Veronica Runge, et al

Collected By: Kirby Wolfe, Kaitlin De'Aeth, Corry Anderson, Veronica Runge

Sampling Agency: FDEP, SROC

Location RQ-2017-04-03-02				☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1305		Eastern Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID 4/11/2017 Please Write Date & Time	G4SD0155 Field ID ▲ STORET ▼ G4SD0155			Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 10.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A, B, C
STORET # Lake Istokpoga Algae W				Temp (C) 23.3	pH 9.3	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 194	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms			Salinity (ppt) _____	Comments				
Location RQ-2017-04-03-02				☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time 1330		Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID 4/11/2017 Please Write Date & Time	G4SD0153 Field ID ▲ STORET ▼ G4SD0153			Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 10.0	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A, B, C
STORET # Lake Istokpoga Algae S				Temp (C) 22.2	pH 8.7	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 116	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms			Salinity (ppt) _____	Comments				
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms			Salinity (ppt)	Comments				
Location				☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____		Eastern Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #				Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms			Salinity (ppt)	Comments				

Relinquished By: Veronica Runge	Date/Time 4/11/17	Shipping Method Fed Ex	Number of Coolers Shipped: 2	Received By: SR	Date/Time 4-2-17/9:50
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
BLOOM-ID							
Group: B	Bottle Type:	BG-WD250	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
W-MCYST-AA							
Group: C	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
CHLSUITE-W							
Group: C	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
TURBIDITY W-COLOR W-TSS							
Group: C	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC							
Group: C	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	6
W-PO4-F							
Group: D	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	6
DTY-QN-C PKD-QN-C							

Date of Request: 16-NOV-2016
 Created By: WOLFE_K On: 16-NOV-2016
 Modified By: MATTHEWS_D On: 14-MAR-2017
 Customer: WQAP
 Project: SPPROJECTS
 Division: Division of Environmental Assessment and Restoration
 District: south
 Sampling Event: Lake Istokpoga

Send Coolers To:

Phone: 239-344-5719
 2295 Victoria AVE
 Suite 364
 Fort Myers, FL 33901
 Attn: Kirby Wolfe

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 10-MAR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 14-MAR-2017
 Sampling Kit Required: YES Ship on: 20-MAR-2017
 Sampling Kit Shipped: YES On: 20-MAR-2017
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: NO
 Date to Receive Samples: 03-APR-2017
 Received By:

Send Final Report To:

2295 Victoria AVE
 Suite 364
 Fort Myers, FL 33901
 Attn: Kirby Wolfe

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Please print two copies of algal job labels at login.
 Analyze toxin upon receipt after consultation with Biology's Taxonomy Manager or designee.
 Bottle Groups A/B - separate event, priority 1
 Bottle Groups C/D - separate event, C - priority 3, D - priority 12
 Bottle Group A - Priority 1
 For algal dominant taxon.
 Bottle Group B - Priority 1
 For toxin testing.
 Bottle Group C - Priority 3
 Water quality testing
 Bottle Group D - Priority 12
 For algal full ID.

Bottle Group A (Biological) With 6 Samples:

Bottle Type: PT-50ML Number of Bottles: 6 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BG-WD250 Number of Bottles: 6 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
 Bottle Type: P-1L Number of Bottles: 6 Preserved With: ICE
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
 W-COLOR Template: DEFAULT (SM 2120 B) True Color measured at 450 nm
 Color (true)

Bottle Group C (Water) With 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	Preserved With: ICE
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 6	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
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 6	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group D (Water) With 6 Samples:

Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: Lugols
DTY-QN-C	Template: DEFAULT	(SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
PKD-QN-C	Template: DEFAULT	(SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

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

RQ-2017-04-0302

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 4-12-17/9:50

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Red	1.7	18		✓			
Red	1.3	18		✓			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

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

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No ✓ If yes, is it intact? Yes ✓ No

**Caps on tight? Yes ✓ No **Containers intact? Yes ✓ No

**Sufficient Sample Volume: Yes ✓ No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.						
Analysis	Yes	No	Analysis	Yes	No	
W-1,4 DIOX			W-PC-AA-SF			
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)			
W-BNA (-625, -R)			W-PDQUAT			
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R			
W-ENDO-AA			W-PSCL-TQ			
W-GLYPH			W-PSNP-TQ			
W-NP-AA-SF			W-PST-CL-R			
W-PAH (-R)			W-TR-TQ			
W-PCB-R			W-CT-CI-R			

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: SR

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

Coolers Unpacked/Checked by: SR Date: 4-12-17

NCRs (Y/N)? N

Event ID: WQAP-2017-04-12-02

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

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

Were Encore samples received? Yes ☐ No ☒

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 ☐

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: _____

Additional Comments:



Package
US Airbill

FedEx
Tracking
Number

8111 7111 3225

TO
4/11/17
FROM
FDEP
NAME
Phone 239 344-5716
COMPANY
ADDRESS
Tallahassee
State FL ZIP 32399

Internal Billing Reference

SHIPMENT'S
FDEP
Phone 850 245-8085

COMPANY
FLORIDA DEP/CHEMISTRY SECTION

ADDRESS
2600 BLAIRSTONE RD
Dept./Floor/Suite/Room

ADDRESS
Tallahassee
State FL ZIP 32399-6542

ADDRESS
Tallahassee
State FL ZIP 32399-6542

0125636852



Package
US Airbill

FedEx
Tracking
Number

8111 7111 3214

TO
4/11/17
FROM
FDEP
NAME
Phone 239 344-5716
COMPANY
ADDRESS
2600 Blainstone Rd
Tallahassee
State FL ZIP 32399

Internal Billing Reference

SHIPMENT'S
FDEP
Phone 850 245-8085

COMPANY
FLORIDA DEP/CHEMISTRY SECTION

ADDRESS
2600 BLAIRSTONE RD
Dept./Floor/Suite/Room

ADDRESS
Tallahassee
State FL ZIP 32399-6542

ADDRESS
Tallahassee
State FL ZIP 32399-6542

0125636852



Form ID No. 0215 Recipient's Copy

4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day
☐ FedEx First Overnight
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging * Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
Does this shipment contain dangerous goods?
☒ No ☐ Yes
Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check
Total Packages 4 Total Weight 4 lbs.
Credit Card Auth. 611

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Form ID No. 0215 Recipient's Copy

4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day
☐ FedEx First Overnight
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging * Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
Does this shipment contain dangerous goods?
☒ No ☐ Yes
Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check
Total Packages 4 Total Weight 4 lbs.
Credit Card Auth. 611

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.