

Reaves, Shawn D

From: Rankin, Amelia
Sent: Tuesday, August 23, 2022 6:03 PM
To: Reaves, Shawn D
Subject: FW: RQ-2022-08-15-20
Attachments: RQ-2022-08-15-20_08182022.pdf

Hi Shawn,

Would you please let me know when this correction is made?

Thanks!
Amelia

From: Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>
Sent: Monday, August 22, 2022 5:24 PM
To: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>; Villinger, Katrin <Katrin.Villinger@FloridaDEP.gov>
Cc: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Subject: RE: RQ-2022-08-15-20

It was indeed Riverside. Attached is the edited document.

From: Reaves, Shawn D <Shawn.Reaves@FloridaDEP.gov>
Sent: Monday, August 22, 2022 1:45 PM
To: Davis, Brian G. <Brian.G.Davis@FloridaDEP.gov>; Villinger, Katrin <Katrin.Villinger@FloridaDEP.gov>
Cc: Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>
Subject: RQ-2022-08-15-20
Importance: High

Good Afternoon,

Can you verify the location name for site below? The sample 'LSJR @ St Vincent roverside' is recorded on the algal bloom website as 'St. Johns River - St Vincent's Riverside'. Can you also submitted a modified form if corrections are made

Thank you

RQ - 2022-08-15-20

Customer: WQAP

Project ID: BLOOM RESP

Location: LSJR @ St Vincent roverside

Collected By:

Field Report

Prepared By:

Sampling Agency:

Comments:

Brian Davis, Katrin Villinger

Brian Davis

NEROC

Field ID: NEHA80033

Coordinates: 30.30587, -81.68995

Shawn D. Reaves

DEP-Lab Support

Environmental Specialist I

Office: 850-245-8082

Direct: 58082

Email: Shawn.Reaves@FloridaDEP.gov

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: 08-15-20

Project: Adair Downtown

- Notes: (1) Always wait for meter to stabilize before recording any readings. Jax
 (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 8/1/22

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.	Katrin Villings	8/18/22	750	23.2	759.5	8.5	—	99.9	—	1.024	(P) F	(L) F
ICV			751	23.1	759.5	8.6	8.54	99.8	—	1.024	(P) F	(L) F
CCV	Bruce Davis		1125	24.0	759.6	8.4	8.42	100.0	✓	1.024	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K Villings	8/18/22	753	220225A	3/23	1000	1000	(P) F	(L) F
ICV			755	210917A	9/22	100	100.6	(P) F	(L) F
CCV	Bruce Davis		1127	220225B	3/23	50,000	599.99	(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.	K Villings	8/18/22	757	4203867	2/24	7.00	23.6	7.00	16.5	(P) F	(L) F
Calibr.			759	2205F96	5/24	4.00	24.0	4.00	165.2	(P) F	(L) F
Calibr.			801	2202F29	8/23	10.01	24.0	10.01	143.9	(P) F	(L) F
ICV			809	2205F96	5/24	4.00	23.9	3.96	165.3	(P) F	(L) F
CCV	Bruce Davis		1128	2202F29	8/23	10.01	23.9	9.99	185.6	(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 10 167.4, slope from 4 to 7 141.7 (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: 8/1/22

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	K Villings	8/18/22	810	0.00	0.000	(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 (2022-08-15 v1)

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

RQ - 2022-08-15-20		Collected By:		Brian Davis, Katrin Villinger						
Customer: WQAP		Field Report Prepared By:		Brian Davis						
Project ID: BLOOM_RESP		Sampling Agency:		NEROC						
Location: LSJR @ St Vincent riverside				Comments:						
Field ID: NEHAB0033				Coordinates: 30.30587, -81.68995						
WIN Secondary Resource Type: River/Stream				Collection Equip: WaterBottle						
WIN ID: NEHAB0033				High Tide Time: 14:45 Low Tide Time: 08:30						
Matrix: Marine		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 (PPT)
08/18/2022	10:40	90.1	6.33	29.8	7.86	0.3	0.7	0.7	22713	13.61
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 II (BP-1L)		☒ CHLSUITE-W				☒ Ice			1	C
Toxins (P-125/BG-250)		☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	C
		☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	C
Preserved Nutrients (500mL HDPE)		SA2145160				6/2/23				
		Acid Lot:		Exp:						
Filtered Nutrients (P125mL)		☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice			1	C
				Filter Lot # R1EB01329						
Quantitative Algae		☐ DTY-QN-C / PKD-QN-C				☐ Ice		☐ Lugols		
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
Brian Davis		08/18/2022 16:30		1						

Login Checklist

RQ- **2022 - 08 - 15- 20**

Login Station ID: **# 3**

Shipping Method: **FedEx** | UPS | HD | Greyhound

Date/Time of Receipt: **08/19/2022 / 09:20**

*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	
1.9C				10		X			5225 5548 8648

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: **ABS /**

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

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 **NE** Init: **ABS /**

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

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

Coolers Unpacked/Checked by: **ABS /** Date: **08/19/2022** Event contains NCRs (Y/N)? **N**

Event ID: **Algae Bloom Response-as needed**
WQAP-2022-08-19-02 (BLOOM-RESP)

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	IRTG # 3 EXP:10/19/2022
pH Test Strips 0 – 6	LOT#223819AV EXP:8/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT 207621 EXP:3/15/2024
Chlorine Test Strips	0264/10013/05 abs 0070 / 2023 / 02

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: ABS

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: Bruce

RQ: 08-15-20

Project: Adair Downtown

- Notes: (1) Always wait for meter to stabilize before recording any readings. JAX
 (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 8/1/22

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.	K Villinger	8/18/22	750	23.2	759.5	8.5	—	99.9	—	1.024	(P) F	(L) F
ICV	↓	↓	751	23.1	759.5	8.6	8.54	99.8	—	1.024	(P) F	(L) F
CCV	Bruce Davis	↓	1125	24.0	759.6	8.4	8.42	100.0	✓	1.024	(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.	K Villinger	8/18/22	753	220225A	3/23	1000	1000	(P) F	(L) F
ICV	↓	↓	755	210317A	9/22	100	100.6	(P) F	(L) F
CCV	Bruce Davis	↓	1127	220225B	3/23	50,000	549,992	(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.	K Villinger	8/18/22	757	4203B67	2/24	7.00	23.6	7.00	16.5	(P) F	(L) F
Calibr.	↓	↓	759	2205F96	5/24	4.00	24.0	4.00	165.2	(P) F	(L) F
Calibr.	↓	↓	801	2202529	8/23	10.01	24.0	10.01	143.9	(P) F	(L) F
ICV	↓	↓	809	2205F96	5/24	4.00	23.9	3.96	165.3	(P) F	(L) F
CCV	Bruce Davis	↓	1128	2202F29	8/23	10.01	21.9	9.99	185.6	(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 ± 50; mV pH 10 Range -180 ± 50;
 If mV are recorded: slope from 7 to 10 167.4, slope from 4 to 7 141.7 (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: 8/1/22

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	K Villinger	8/18/22	810	0.00	0.000	(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:



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

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

RQ - 2022-08-15-20		Collected By:		Brian Davis, Katrin Villinger						
Customer:	WQAP	Field Report Prepared By:		Brian Davis						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: LSJR @ St Vincent roverside			Comments:							
Field ID: NEHAB0033			Coordinates: 30.30587, -81.68995							
WIN Secondary Resource Type: River/Stream			Collection Equip: WaterBottle							
WIN ID: NEHAB0033			High Tide Time: 14:45		Low Tide Time: 08:30					
Matrix:	Marine	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 (PPT)
08/18/2022	10:40	90.1	6.33	29.8	7.86	0.3	0.7	0.7	22713	13.61
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	C	
Toxins (P-125/BG-250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1	C	
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1	C	
	SA2145160 Acid Lot:				6/2/23 Exp:					
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter			☒ Ice		1	C	
	Filter Lot # R1EB01329									
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C				☐ Ice		☐ Lugols			
Relinquished By:	Date/Time		Number of Coolers Shipped			Received By:		Date/Time		
Brian Davis	08/18/2022 16:30		1			A.SHAIK		08/19/2022 / 09:20		



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

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

RQ - 2022-08-15-20		Collected By:		Brian Davis, Katrin Villinger						
Customer:	WQAP	Field Report Prepared By:		Brian Davis						
Project ID:	BLOOM_RESP	Sampling Agency:		NEROC						
Location: Oretga River @ Morven Canal			Comments:							
Field ID: NEHAB0090			Coordinates: 30.25265, -81.70312							
WIN Secondary Resource Type: Canal			Collection Equip: WaterBottle							
WIN ID: NEHAB0090			High Tide Time: 14:45		Low Tide Time: 08:30					
Matrix:	Marine	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 (PPT)
08/18/2022	10:00	47.8	3.65	29.7	6.99	0.3	0.7	0.7	6713	3.64
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: <u>Scum layer</u>									
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		C
Toxins (P-125/BG-250)	☒ W-MCYST-AA ☒ W-SAXTN-MS ☐ OV-TOXN				☒ Ice			1		C
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-S-A-TP				☒ Ice ☒ H2SO4		☒ <2	1		C
	SA2145160				6/2/23					
Filtered Nutrients (P125mL)	☒ W-PO4-F				☒ Field Filtered 0.45µm Filter			1		C
	Filter Lot # R1EB01329				☒ Ice					
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C				☐ Ice		☐ Lugols			
Relinquished By:	Date/Time		Number of Coolers Shipped		Received By:		Date/Time			
Brian Davis	08/18/2022 04:30		1		A.SHAIK		08/19/2022 / 09:20			

Date of Request: 11-JUL-2022
 Created By: DAVIS_B On: 11-JUL-2022
 Modified By: AYRES_J On: 16-AUG-2022
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algae Bloom Response-as needed

Send Coolers To:

Phone: 904-256-1568
 8800 Baymeadows Way W
 Suite 100
 Jacksonville, FL 32256
 Attn: Brian G Davis
 Cooler Ship EMail: Brian.g.davis@floridadep.gov

Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 16-AUG-2022
 Biology Request Reviewed By: AYRES_J On: 16-AUG-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 05-AUG-2022
 Sampling Kit Packed By: GIVENS_G
 Preservatives Needed: NO
 Date to Receive Samples: 15-AUG-2022
 Logged In By: SHAIK_A On: 19-AUG-2022

Send Final Report To:

8800 Baymeadows Way W
 Suite 100
 Tallahassee, FL 32399-2400
 Attn: Brian G Davis
 Report Notification EMail: Brian.g.davis@floridadep.gov

Comments: RQ specifically made for addition of Saxitoxin analysis in the LSJR basin.

Send kits in carboard boxes per Kyle Klug. Will ship back in excess coolers from our office.

Bottle Group A - Priority 1
 For algal ID dominant taxon. (12 kits)

Bottle Group B - Priority 1
 For toxin testing Nurtients, Chlorophyl, Toxin. (6 kits)

Bottle Group C - Priority 1
 For toxin testing Nurtients, Chlorophyl, Toxin w/ SAX.
 (6 kits)

Bottle Group D - Priority 1
 For algal ID dominant taxon - Biology Blank.
 (1 kits)

Bottle Group E - Priority 1
 For toxin testing Nurtients, Toxin w/ SAX - Chemistry Blank (1 kits)

Bottle Group A (Biological) With 12 Samples:

Bottle Type: PT-50ML Number of Bottles: 12 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: BP-1L Number of Bottles: 6 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Type: P-125ML Number of Bottles: 6 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: 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

Bottle Group B (Water) With 6 Samples:

Bottle Type: P-500ML	Number of Bottles: 6	Preserved With: ICE And H2SO4
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: 6	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 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, and phaeophytin by spectrophotometry
Bottle Type: P-125ML	Number of Bottles: 6	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: 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
Bottle Type: P-125ML	Number of Bottles: 6	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 D (Biological) With 1 Samples:

Bottle Type: PT-50ML	Number of Bottles: 1	Preserved With: ICE
BLOOM-ID	Template: DEFAULT	(SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group E (Water) With 1 Samples:

Bottle Type: P-125ML	Number of Bottles: 1	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: 1	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: 1	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.