

RQ-2019-08-19-18

Field Personnel processing steps

☐ New Field IDs created (when using a new station) Date: _____ initials: _____ ☒ NA

☐ Create entry in SMPStationCreationFile if new station is used

\\fdep1\wqap\NW ROC\TMDL\WIN_Station Creation

☒ Date sampled Date: 8/21/19 initials: LM

☐ Update MAT Date: _____ initials: _____

☒ Update "SMP Tracker" Date: 8/22/19 initials: LM

☐ Photos put into archive Date: _____ initials: _____ ☒ NA

☐ RQ Sheet – from LIMS (display/print request)

☒ Calibration Log for YSI used

☐ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned and saved into:

Scans_ToBeProcessed Date: 8/22/19 initials: LM

☒ Update "Data Tracker"

\\publicfiles\pubfds\DEAR\WQAPmonitoring\StrategicMonitoring\2019\21FLPNS

Ready for folder system (top)

LIMS processing (to be completed by LIMS data personnel) (MC)

☐ Field parameters entered into LIMS Date: _____ initials: _____

☐ Digital RQ packet put into

SMP 2019/Data/Scanned Field Sheets Date: _____ initials: _____

☐ Digital field Sheets put into archive Date: _____ initials: _____

☐ Date submitted for QA/QC Date: _____ initials: _____

☐ Update "Data Tracker"

Database processing (Cheryl)

☐ Field parameters QA/QC in LIMS Date: _____ initials: _____

☐ Lab results put into archive (CB) Date: _____ initials: _____

☐ Data migrated to WINS Date: _____ initials: _____

☐ Update "Data Tracker"

Notes:

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:

154179

RQ:

2019-08-19-18

Project:

SNP

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

6/13/19

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.											P / F	L / F
ICV											P / F	L / F
CCV	NM	8/21/19	0630	24.0	767	8.5	8.53	100.5			P F	L F
CCV	↓	↓	1500	23.1	767	8.6	8.70	100.8			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.	NM	8/21/19	0635	1505190114A	1/20	1000	1000	P / F	L / F
ICV	↓	↓	1800	190509B	5/20	50000	49950	P F	L / F
CCV	↓	↓	1505	190114A	1/20	1000	1002	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.	NM	8/21/19	0640	2811803	10/20	7.		7.0		P / F	L / F
Calibr.	↓	↓	0642	2902818	1/21	4.		4.0		P / F	L / F
Calibr.	↓	↓	0644	4904E09	9/20	10.		10.0		P / F	L / F
ICV	↓	↓	0645	↓	↓	10.0	23.0	7.92	226.50	P F	L / F
CCV	↓	↓	1510	2902818	1/21	4.0	23.4	4.06	111.8	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 _____, slope from 4 to 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:

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	NM	8/21/19	0700	0.00	0.0	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Judges Bayou Mouth

Date: 08/21/2019
(mm/dd/yyyy)

WIN/Field ID: G4NW0441

WBID: 493B

Latitude: 30.560409

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.140902
(Decimal Degrees)

Receiving Body of Water: Escambia Bay

RQ-2019- 08-19-18
(Decimal Degrees)

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment					
MC AM							☒ Sample Container	☐ Van Dorn	☐ Pole			
							☐ Carboy	☒ Syringe				
							☐ Dipper	☐ Other				
							Depth Measured with Equipment ID					
							Collection Method					
							☐ Wading	☐ Canoe/Kayak				
							☐ From Shore	☐ Electric Motor				
							☐ Other	☒ Gasoline Motor				
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded							Meter ID# 134179		Matrix: Fresh / <u>Marine</u> / DI			
Photos: Yes / <u>No</u>							Flow: No Flow / Intestinal / Flowing / NA		Tide: Rising / Falling / Slack / NA		Tide Times: High 4:45 PM Low 2:15 PM	
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)		
EST		1.3		0.4								
<u>CEN</u>	0846		0.2		3.78	52.4	7.32	7.08	11685	30.6		
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:												
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:												
Parameter Suite		Parameter Methods				Preservation		Lot#	Expiration	pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H ₂ SO ₄		9010030	4/10/20	☐ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO ₃				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☐ Ice		16918633				
Chlorophyll		☒ CHLSUITE-W				☐ Ice						
Physical/Aggregate (Fresh)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-IC / W-COLOR / W-SORC / W-TDS				☐ Ice						
Physical/Aggregate (Marine)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☐ Ice						
Macroinvertebrates		☐ M-IPW-ODS				☐ Formalin						
Periphyton		☐ ALGAE-IP				☐ Ice						
Microbiology		☐ E-Coli ☐ F-GP ☐ Enterococci				☐ Ice						
Molecular		☐ PCR-FILTER ☐ PCR-B&R ☐ PCR-GULL2 ☐ PCR-HF1 ☐ PCR-D63 ☐ PCR-GFD				☐ Ice						
Tracers		☐ W-E8321-SP ☐ W-E8321-MS				☐ Ice						
Pesticides		☐ W-PSNP-10 ☐ W-CT-Q-R ☐ W-E8321-GI ☐ W-PC-SC-1 ☐ W-E8321-MS ☐ W-CARB-AA				☐ Ice						
Phytoplankton		☐ DTY-QN-E ☐ PKD-QN-C										
Notes: B												
Signature: [Signature]							Field/WIN ID → G4NW0441					
							Location: JUDGES BAYOU MOUTH					
							Date: 8/21/19					

LIMS EVENT ID: WIN Import ID: Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT: Scan/Save Field Sheets Migrate Data to WIN: Verify Data in WIN:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name:

Judges Bayou confluence

Date:

08/21/2019

WIN/ Field ID:

G4NW0442

WBID:

493B

Latitude:

30.559556

County:

Escambia

ORG ID:

21FLPNS

Longitude:

-87.137683

Receiving Body of Water:

Escambia Bay

RQ-2019-

08-19-18

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
MC AM							☒ Sample Container	☐ Van Dorn	☐ Pole	
							☐ Carboy	☒ Syringe		
							☐ Dipper	☐ Other		
Depth Measured with							Collection Method			
Equipment ID							☐ Wading	☐ Canoe/Kayak		
							☐ From Shore	☐ Electric Motor		
							☐ Other	☒ Gasoline Motor		
Water Level: Dry / Pooled / Low / <u>Normal</u> / High / Flooded							Meter ID#	Matrix: Fresh / <u>(Marine)</u> / DI		
Photos: Yes / <u>No</u> / Flow: No Flow / Intertidal / Flowing / <u>NA</u>							Tide: Rising / Falling / Slack / NA	Tide Times: High <u>445</u> Low <u>215</u>		
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)
EST		1.7	0.2	0.4	1.90	24.1	6.40	5.30	8470	27.2
<u>CEN</u>	<u>0855</u>		<u>1.2</u>		<u>1.53</u>	<u>21</u>	<u>6.92</u>	<u>9.20</u>	<u>15820</u>	<u>30.3</u>
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:										
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:										
Parameter Suite		Parameter Methods				Preservation	Lot#	Expiration	pH Check	
Preserved Nutrients		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP				☒ Ice ☒ H2SO4	<u>9010030</u>	<u>4/10/20</u>	☐ <2	
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3			☐ <2	
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice	<u>10918133</u>			
Chlorophyll		☒ CHLSUITE-W				☒ Ice				
Physical/Aggregate (Fresh)		☐ Alkalinity / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY / ☐ W-CL-IC / ☐ W-COLOR / ☐ W-SO4-IC / ☐ W-TDS				☐ Ice				
Physical/Aggregate (Marine)		☒ Alkalinity / ☐ W-BR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY				☒ Ice				
Macroinvertebrates		☐ ME-FW-QUIK				☐ Formalin				
Periphyton		☐ ALGAE-ID				☐ Ice				
Microbiology		☐ E-Coli ☐ F-Coli ☒ Enterococci				☒ Ice				
Molecular		☐ PCR-FILTER ☐ PCR-B&R ☐ PCR-GULL2 ☐ PCR-IFL18 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice				
Tracers		☐ W-E8321-MS ☐ W-E8321-MS				☐ Ice				
Pesticides		☐ W-PSNP-TO ☐ W-CT-CL-R ☐ W-E8321-9L ☐ W-PC-SC-2 ☐ W-E8321-MS ☐ W-CARB-AA				☐ Ice				
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice				
Notes: <u>B</u>										
Signature: <u>[Signature]</u>							Field/WIN ID → <u>G4NW0442</u>			
							Location: <u>JUDGES BAYOU CONFLUENCE</u>			
							<u>8/21/19</u>			

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Trout Bayou

Date: 08/21/2019
(mm/dd/yyyy)

WIN/ Field ID: G4NW0443

WBID: 694

Latitude: 30.50841

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: -87.09354

Receiving Body of Water: Escambia Bay

RQ-2019- 08-19-78
(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
									☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with			
									Equipment ID			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☐ From Shore	☐ Electric Motor		
									☐ Other	☐ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>154171</u>				Matrix: Fresh / <u>Marine</u> DI				
Photos: Yes / <u>No</u>				Flow: No Flow / Intertidal / <u>Flowing</u> NA				Tide: Rising/ Falling/ Slack/ NA				
Tide Times: High <u>4:45</u> Low <u>2:15</u>												
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)		
EST												
<u>CEN</u>	<u>0925</u>	<u>0.9</u>	<u>0.2</u>	<u>VOB</u>	<u>5.91</u>	<u>83.2</u>	<u>7.50</u>	<u>14.78</u>	<u>24540</u>	<u>29.4</u>		
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:												
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:												
Parameter Suite		Parameter Methods				Preservation		Lot#		Expiration pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4		<u>9010030</u>		<u>4/10/20</u> ☐ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				☐ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		<u>16AIRC023</u>				
Chlorophyll		☒ CHLSUITE-W				☒ Ice						
Physical/Aggregate (Fresh)		☐ Alkalinity / W-TP / W-TSS / TURBIDITY / W-CHL / W-COLOR / W-SG-IC / W-TDS				☐ Ice						
Physical/Aggregate (Marine)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice						
Macroinvertebrates		☐ ME-FW-QDPS				☐ Formalin						
Periphyton		☐ ALGAE-ID				☐ Ice						
Microbiology		☐ E-Coli ☐ F-Coli ☒ Enterococci				☒ Ice						
Molecular		☐ PCR-FILTER ☐ PCR-BactR ☐ PCR-GUL12				☐ Ice						
Tracers		☐ W-ER321-IR ☐ W-ER321-MS				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-ER321-DI				☐ Ice						
Phytoplankton		☐ W-PC-SC-4 ☐ W-ER321-MS ☐ W-CARB-AA				☐ Ice						
Phytoplankton		☐ DTY-QN-C ☐ PID-QN-C										
Notes: <u>B</u>												
Field/WIN ID →								Location: <u>G4NW0443</u>				
Signature: <u>[Signature]</u>								Date: <u>8/21/19</u>				

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: _____ QC Station ID, Field Parameters in LIMS DMT: _____

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data in WIN: _____

(Initials/Date) (Initials/Date) (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Blackwater Bay west of Escribano Point

Date: 8/21/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0401

WBID: 548GB

Latitude: 30.50592

County: Santa Rosa County

ORG ID: 21FLPNS

Longitude: -87.03270

Receiving Body of Water: Gulf of Mexico

RQ-2019-08-19-18

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
N. Mulkey M. Clark				X	X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole	
									☐ Carboy	☒ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with			
									Equipment ID			
									Collection Method			
									☐ Wading	☐ Canoe/Kayak		
									☐ From Shore	☐ Electric Motor		
									☐ Other	☒ Gasoline Motor		
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# 154179				Matrix: Fresh / <u>Marine</u> / DI				
Photos: Yes / <u>No</u> / Flow: No Flow / Intertidal / Flowing <u>NA</u>				Tide: Rising / <u>Falling</u> / Slack/ NA				Tide Times: High <u>01:45</u> Low <u>14:15</u>				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (C°)		
EST	10:40	3.0	0.3	1.2	6.85	91.8	7.64	16.69	12144	29.2		
CEN	10:45		2.5		3.71	53.5	7.64	16.83	27.586	30.5		
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:												
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:												
Parameter Suite		Parameter Methods				Preservation		Lot#	Expiration	pH Check		
Preserved Nutrients		☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				☒ Ice ☒ H2SO4		9010030	4/10/20	☒ <2		
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		8344050	2/10/19	☒ <2		
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice		16918633				
Chlorophyll		☒ CHLSUITE-W				☒ Ice						
Physical/Aggregate (Fresh)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHL / W-COLOR / W-SOD-IC / W-TDS				☐ Ice						
Physical/Aggregate (Marine)		☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY				☒ Ice						
Macroinvertebrates		☐ MIFW-QUE				☐ Formalin						
Periphyton		☐ ALGAE-ID				☐ Ice						
Microbiology		☐ E Coli ☒ E Coli ☒ Enterococci				☒ Ice						
Molecular		☐ PCR-FILTER ☐ PCR-BACR ☐ PCR-GUL12 ☐ PCR-DG3 ☐ PCR-GFD				☐ Ice						
Tracers		☐ W-E8321-01 ☐ W-E8321-MS				☐ Ice						
Pesticides		☐ W-PSNP-10 ☐ W-CT-CL-R ☐ W-E8321-01 ☐ W-PCL-SC-A ☐ W-E8321-MS ☐ W-CARD-AA				☐ Ice						
Phytoplankton		☐ DITY-QN-C ☐ PKD-QN-C				☐ Ice						

Notes: A

Field/WIN ID: G4NW0401

Location: Blackwater Bay west of Escribano Point

Signature: [Signature] Date: 8/21/19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets Migrate Data to WIN: Verify Data In WIN:

Request Number: RQ-2019-08-19-18
ESC/BW BAY RUN

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NW-DIST
Project ID: SMP

Requester: Michael King
Collected By: M. Mulkey

Field Report Prepared By: M. Clark
Sampling Agency: ELPNS-NWRAC

Location	Field/WIN ID →	Collection (comp begin or grab)	Eastern	Composite end	Time	Bottle Group(s)
Field ID	Location: JUDGES BAYOU MOUTH G4NW0441	☒ Grab Date 8/21/19 Time 08:40	☒ Central	☒ mg/L Total Res. Chlorine		B
WIN/STC		Temp (C) 30.6 pH 7.32		Diss. Oxygen 3.78		
Latitude		Salinity (ppt) 9.08		Sample Depth 0.2		
Longitude						
Field/WIN ID →	Location: JUDGES BAYOU CONFLUENCE G4NW0442	☒ Grab Date 8/21/19 Time 08:55	☒ Central	☒ mg/L Total Res. Chlorine		B
Field ID		Temp (C) 27.2 pH 6.40		Diss. Oxygen 1.1		
WIN/STC		Salinity (ppt) 5.30		Sample Depth 0.2		
Latitude						
Longitude						
Field/WIN ID →	Location: TROUT BAYOU G4NW0443	☒ Grab Date 8/21/19 Time 09:25	☒ Central	☒ mg/L Total Res. Chlorine		B
Field ID		Temp (C) 29.4 pH 7.50		Diss. Oxygen 5.91		
WIN/STC		Salinity (ppt) 14.78		Sample Depth 0.2		
Latitude						
Longitude						
Field/WIN ID	Location: Blackwater Bay west of Escibano Point G4NW0401	☒ Grab Date 08/21/19 Time 10:40	☒ Central	☒ mg/L Total Res. Chlorine		A
Field ID		Temp (C) 29.2 pH 7.64		Diss. Oxygen 6.85		
WIN/STC		Salinity (ppt) 6.9		Sample Depth 0.3		
Latitude						
Longitude						

Relinquished By: M. Mulkey	Date/Time: 8/21/19 15:00	Shipping Method: FEDEX	Number of Coolers Shipped: 1	Received By:	Date/Time:
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Sampler's initials: AMJMC

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Date/Time: 01/21/2019 11:11 AM

Date/Time: 08/21/17 1111

[illegible]

Comments sample container lot# # 18145

RQ-2019-08-19-18

Contact organization FDEP

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

¹Matrix SV = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

²Type codes: G = grab, C = composite, X =

Contact name__Michael King

Phone: (850) 595-8300

Sampler's name: IV

IV.

Recorded using IR1-2