



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 14

Data Qualified?
Yes / ☒ No

Location/STORET Station Name: Black Creek upstream of Bloxham Cutoff

Date: 4/11/17

(mm/dd/yyyy)

STORET # G1WA0023

WBID: 1054

Latitude: 30.27792

(Decimal Degrees)

County: Wakulla

RQ - 2017-04-10-19

ORG ID: 21FLWQA

Longitude: -84.3858

(Decimal Degrees)

Receiving Body of Water: Wakulla River

Field ID: G1WA0023_04112017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Ben Ralys		☒	☒				NA	NA
Phil Homann				☒	☒	☒	NA	NA

Sampling Equipment		
☐ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Equipment ID		

Collection Method	
☒ Wading	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☐ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / ☒ High / Flooded	Matrix: ☒ Fresh / Marine / DI
Meter ID# Biology #2	Photos: ☒ Yes / No
	Tide Falling: Yes / No / ☒ NA

Field Sample

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	0830	0.3	0.5	8.11	84.0%	3.78	0.02	0.3	54	16.98
CEN										

Biological Samples Collected: ☒ None	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:			

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H2SO4	6302030	10/28/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
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-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid SA-6302030 EXP: 10/28/17 Warning! See SDS

Active Sticker(s) Here (Available)

QA/QC Sample Information

Duplicate

Time Zone: EST CEN		Sample Depth (m): _____		Field ID: _____	
Time: _____		Total Depth (m): _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
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-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Blank

Time Zone: EST CEN		Time: _____		Field ID: _____		Location: _____	
☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank				Equipment ID: _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check		
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄			☐ < 2		
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2		
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)				
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-F / W-TSS / TURBIDITY	☐ Ice					
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci ☐ qPCR	☐ Ice					
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other					

Notes:

Black Creek upstream of Bloxham Cutoff STORET ↓  G1WA0023		Field ID → Black Creek upstream of Bloxham Cutoff April 11, 2017  G1WA0023_04112017
Signature: <i>B. R.</i>		Date: 4/11/17

Field Parameters Entered into LIMS: <i>DT 4/13/17</i>	Field Parameters QC in LIMS: _____
(Initials/Date)	(Initials/Date)
Date Migrated to STORET: _____	Field Sheets Scanned/Saved: <i>DT 4/13/17</i>
(Initials/Date)	(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter **Biology #2**

RQ- **2017-04-10-19**

Project **SMP**

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification **03/06/2017**

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	4/11/17	7:15	21.45	8.84	8.83	100.0	44.1	-	P	L
ICV	Ben Ralys	4/11/17	7:16	21.49	8.84	8.83	99.9	43.1	-	P	L
CCV	Ben Ralys	4/11/17	3:34	22.77	8.62	8.68	100.7	44.1	-	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	4/11/17	7:20	161111D	11/2017	1,000	1,000	P	L
ICV	Ben Ralys	4/11/17	7:22	161111D	11/2017	1,000	1,000	P	L
CCV	Ben Ralys	4/11/17	3:36	170310E	03/2018	100	103	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Ralys	4/11/17	7:24	161111B	5/2018	7.0	6.99	-9.8	P	L
Calibr.	Ben Ralys	4/11/17	7:26	161111A	11/2017	4.0	3.82	165.9	P	L
Calibr.	Ben Ralys	4/11/17	7:30	161111C	5/2018	10.0	9.97	-172.5	P	L
ICV	Ben Ralys	4/11/17	7:32	161111C	5/2018	10.0	9.96	-171.7	P	L
CCV	Ben Ralys	4/11/17	3:38	161111A	11/2017	4.00	3.90	161.3	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Request Number: 2017-04-10-19

Black Creek, Quincy Creek, Tanyard Branch

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Raks Phil Hanson

Field Report Prepared By: Ben Raks Page 1 of 4

Sampling Agency: FDEP

Juniper Creek
upstream of
Juniper Creek Rd.
STORET ↓
ST000059
Field ID →
Juniper Creek
upstream of
Juniper Creek Rd.
April 11, 2017
Q1WA0059_04112017STORET ↓
ST000059
Field ID →
Juniper Creek
upstream of
Juniper Creek Rd.
April 11, 2017
Q1WA0059_04112017

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 10:35	Eastern Central	Date — Time —	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh				
Temp (C)	pH			
16.73	6.03			
Salinity (ppt)	Comments			
0.03				
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			
30.531	-84.736			

Quincy Creek
upstream of
SR 65
STORET ↓
ST000049
Field ID →
Quincy Creek
upstream of
SR 65
April 11, 2017
Q1WA0049_04112017STORET ↓
ST000049
Field ID →
Quincy Creek
upstream of
SR 65
April 11, 2017
Q1WA0049_04112017

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 11:20	Eastern Central	Date — Time —	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh				
Temp (C)	pH			
16.71	6.92			
Salinity (ppt)	Comments			
0.03				
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			
30.599	-84.576			

Quincy Creek 100
meters upstream
of Ralph Strong Rd.
STORET ↓
ST000018
Field ID →
Quincy Creek
100 meters
upstream of
Ralph Strong Rd.
April 11, 2017
Q1WA0018_04112017STORET ↓
ST000018
Field ID →
Quincy Creek
100 meters
upstream of
Ralph Strong Rd.
April 11, 2017
Q1WA0018_04112017

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 12:55	Eastern Central	Date — Time —	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)	
Fresh				
Temp (C)	pH			
18.27	6.94			
Salinity (ppt)	Comments			
0.03				
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			
30.5837	-84.5503			

Relinquished By: Ben Raks Date/Time 4/11/17

Number of Coolers 4 Received By: Date/Time

Request Number: 2017-04-10-19

Black Creek, Quincy Creek, Tanyard Branch

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Relys, Phil Howman

Page 1 of 4

Field Report Prepared By: Ben Relys

Sampling Agency: FDEP

Black Creek
upstream of
Bloxham Cutoff

G1WA0023

Field ID →
Black Creek
upstream of
Bloxham Cutoff

April 11, 2017

G1WA0023_04112017

Soapstone Branch
00 meters upstream
of SR 375

G1WA0012

Field ID →
Soapstone
Branch 100
meters upstream
of SR 375

April 11, 2017

G1WA0012_04112017

Black Creek
upstream of SR 375

G1WA0047

Field ID →
Black Creek
upstream of
SR 375

April 11, 2017

G1WA0047_04112017

☐ Comp	Collection (comp begin or grab)	Date	Time	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
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Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	8.11	Sample Depth (m)	0.3	Sp. Conductance (umho/cm)	54	A
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Temp (C)	16.98	pH	3.78	Sample Depth (m)	0.3	Sp. Conductance (umho/cm)	54	A
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Salinity (ppt)	0.02	Comments		Latitude (Decimal Degrees)	30.27792	Longitude (Decimal Degrees)	-84.3858	
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☐ Comp	Collection (comp begin or grab)	Date	Time	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
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Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	8.25	Sample Depth (m)	0.15	Sp. Conductance (umho/cm)	46	A
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Temp (C)	16.23	pH	4.30	Sample Depth (m)	0.15	Sp. Conductance (umho/cm)	46	A
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Salinity (ppt)	0.02	Comments		Latitude (Decimal Degrees)	30.38625	Longitude (Decimal Degrees)	-84.6355	
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☐ Comp	Collection (comp begin or grab)	Date	Time	☒ Grab	Date	Time	☒ Eastern Central	Collection (comp begin or grab)	Date	Time	Bottle Group(s)
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Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	8.48	Sample Depth (m)	0.3	Sp. Conductance (umho/cm)	45	C, D, E
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Temp (C)	17.14	pH	4.33	Sample Depth (m)	0.3	Sp. Conductance (umho/cm)	45	C, D, E
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Salinity (ppt)	0.02	Comments		Latitude (Decimal Degrees)	30.325	Longitude (Decimal Degrees)	-84.693	
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Relinquished By: Ben Relys	Date/Time: 4/11/17	Number of Coolers: 4	Received By:	Date/Time:
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Request Number: 2017-04-10-19

Black Creek, Quincy Creek, Tanyard Branch

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Ben Raby's Ph.D. Hanson

Page 1 of 4

Field Report Prepared By: Ben Raby's
Sampling Agency: FDEPTanyard Branch 100
meters upstream of
Ralph Strong Rd.

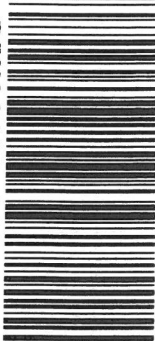
STORET ↓

Field ID: →
Tanyard Branch
50 meters
stream of F
strong Rd.
April 11, 2017

GTWAE005_04112017

Little River 100
meters upstream
of SR 12

STORET ↓

Field ID: →
Little River 100
meters upstream
of SR 12
April 11, 2017

GTWAE0020_04112017

Little River 100
meters upstream
of SR 12

STORET ↓

Field ID: →
QC DUP
Little River 100
meters upstream
of SR 12
April 11, 2017

GTWAE0020_04112017

☐ Comp	Collection (comp begin or grab)	☒ Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 12:40	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	7.76	0.1	261

Temp (C)	pH	Salinity (ppt)	Comments
20.36	6.99	0.12	

Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
30.5832	-84.5519

☐ Comp	Collection (comp begin or grab)	☒ Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 2:00	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	8.93	0.3	94

Temp (C)	pH	Salinity (ppt)	Comments
17.41	6.92	0.04	

Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
30.5882	-84.4957

☐ Comp	Collection (comp begin or grab)	☒ Eastern	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 4/11/17 Time 2:00	Central	Date — Time —	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	8.93	0.3	94

Temp (C)	pH	Salinity (ppt)	Comments
17.41	6.92	0.04	

Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
30.5882	-84.4957

Relinquished By: Ben Raby's

Date/Time: 4/11/17

Number of Coolers: 4

Received By:

Date/Time:

Request Number: 2017-04-10-19

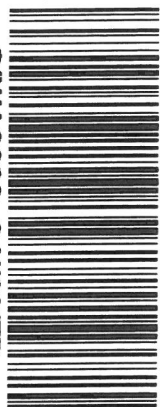
Black Creek, Quincy Creek, Tanyard Branch

Customer: WQ-ASSESS

Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: *Ba Raks Phil Homan*Field Report Prepared By: *Ba Raks* Page 1 of 4
Sampling Agency: FDEPBlank
DI WaterField ID: SOC Blank
DI Water

April 11, 2017

Q1WA0020_04112017B

Location

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time	☒ Eastern ☐ Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)			
Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	AC
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)	30.5882	Longitude (Decimal Degrees)	-84.4957	

Field ID

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time	☒ Eastern ☐ Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)			
Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

STORET #

Location

Field ID

STORET #

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/11/17 Time	☒ Eastern ☐ Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)			
Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Relinquished By: *Ba Raks*

Date/Time 4/11/17

Number of Coolers 4

Received By:

Date/Time

Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: ECOL-18QT	P-250ML-WO-THI	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab	7
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	5
Group: E	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: F	Bottle Type: PCR-HF183	QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					

Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					

Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab _____
	W-PO4-F				

Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY				
	TURBIDITY				
	W-CL-IC				
	W-COLOR				
	W-F				
	W-SO4-IC				
	W-TDS				
	W-TSS				

Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W				

Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP				
	W-ICPMS				

Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: ECOL-18QT	P-250ML-WO-THI	# of Bottles: 7	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: E	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: F	Bottle Type: PCR-HF183	QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab _____

Cooler Packing Worksheet for Request: RQ-2017-04-10-19

Black, Tanyard, Soapstone, Little, Qunicy, Juniper

Ship Cooler On: 4/5/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453
Division Of Water Facilities, FL DEP
2600 Blair Stone Rd.
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Nutrient Kit

Group B: Freshwater Nutrient Kit With Metals

Group C: E. coli

Group D: Organics (wastewater tracers)

Group E: PCR-FILTER (Markers)

Group F: PCR-HF183 (Markers)

Packing Notes

No FedEx lables needed, sample swill be dropped off.

6 - liters of DI for a suite of blanks

Requested Analyses:

Bottle Group: A

of Sites: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00067591

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00067590

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6 Preservation: ICE-FLTR

Lot # 00066993

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00067591

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 80067590

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 80067590

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: ICE-FLTR

Lot # 50066993

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 7

Container ID: P-250ML-WO-THI

Qty: 7 Preservation: ICE

Lot # 417013

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group: D**# of Sites: 5**

Container ID: BG-1L

Qty: 5 Preservation: ICE

Lot # 00066798

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E**# of Sites: 3**

Container ID: QPCR-P-250ML

Qty: 6 Preservation: ICE

Lot # 00065789

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F**# of Sites: 2**

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00065789

Description:

Analysis

PCR-HF183

Description

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Cooler Packed By: _____ Date: _____

DEP Cooler ID #(s): _____

Kit must also include:

- ___ Field Sheets
- ___ Temperature Control Bottle (1 per cooler)
- ___ FedEx Bills, if applicable (1 per cooler)
- ___ Plastic Bags
- ___ Zip Ties

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-04-10-19