



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

PAGE 1 OF 15

Data Qualified?

Yes / No

January 2017

STORET Station Name: Tanyard Branch 100 meters upstream of Ralph Strong Rd.

Date: 2/1/2017

(mm/dd/yyyy)

STORET Station ID: G1WA0005

WBID: 595

Latitude: 30.5832

(Decimal Degrees)

County: Gadsden RQ - 2017-01-30-33

ORG ID: 21FLWQA

Longitude: -84.5519

(Decimal Degrees)

Receiving Body of Water: Little River

Field ID: G1WA0005-02012017

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Robert Wiwi									
Will Lasley									

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 / <u>Normal</u> / High / Flooded					Matrix: <u>Fresh</u> / Marine / DI									
Meter ID# <u>Biology #2</u>					Photos: Yes / <u>No</u>					Tide Falling: Yes / <u>No</u> / <u>NA</u>				
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	0905	0.20	0.5	9.23	86.4	6.78	0.08		175	12.37				
	0900	0.25	0.5	10.44	96.5	6.32	0.03	VOB	64	11.30				
CEN	-	-	0.2	-	-	-	-	VOB	-	-				

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

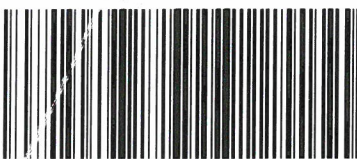
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	SA 6242080	8/29/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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 ☐ Entero ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other			

Notes:

1-Kit A

Field ID →
anyard Branch
00 meters
stream of Ralph
Strong Rd.

FEB 01, 2017



G1WA0005-02012017

Tanyard Branch 100
meters upstream of
Ralph Strong Rd.

STORET ↓



G1WA0005

Signature:

Date: 2/1/17

Field Parameters Entered into LIMS: DT 2/14/17

(Initials/Date)

Field Parameters QC in LIMS:

Date Migrated to STORET:

(Initials/Date)

Field Sheets Scanned/Saved: DT 2/15/17

(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- **2017-01-30-33**

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 **09/23/2016**

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.	Robert Wini	1/31/17	15:53	20.0	9.1	9.1	100	31.8	—	P	L
ICV	↓	↓	15:54	20.0	9.1	9.1	100	30.8	—	P	↓
CCV	Will Lasley	2/1/17	1332	21.35	8.84	8.72	98.5	30.8	—	P	↓
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.	Robert Wini	1/31/17	15:56	161111D	11/17	1000	1000	P	↓
ICV	↓	↓	15:57	161111D	11/17	1000	1000	P	↓
CCV	Will Lasley	2/1/17	1334	161111E	5/17	100	103	P	↓
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.	Robert Wini	1/31/17	15:58	161111B	5/18	7.0	7.0	-24.3	P	L
Calibr.	↓	↓	16:00	161111A	11/17	4.0	4.0	152.9	P	↓
Calibr.	↓	↓	16:01	161111C	5/18	10.0	10.0	-188.3	P	↓
ICV	↓	↓		161111A	11/17	4.0	3.9	157.5	P	↓
CCV	Will Lasley	2/1/17	1336	161111C	5/18	10.0	9.9	-187.0	P	↓
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: RQ-2017-01-30-33
SMP
Customer: WQAP
Project ID: SMP

Requester: Benjamin Rayls
Collected By:

Field Report Prepared By: FDEP
Sampling Agency: FDEP

Page 1 of 2

Field ID: Quincy Creek 100 meters upstream of Ralph Strong Rd.
FEB 01, 2017
G1WA0018-02012017

STORET
Quincy Creek 100 meters upstream of Ralph Strong Rd.
G1WA0018

Field ID: Tanyard Branch 100 meters upstream of Ralph Strong Rd.
FEB 01, 2017
G1WA0005-02012017

STORET
Tanyard Branch 100 meters upstream of Ralph Strong Rd.
G1WA0005

Field ID: Quincy Creek 65 meters upstream of Ralph Strong Rd.
FEB 01, 2017
G1WA0049-02012017

STORET
Quincy Creek 65 meters upstream of Ralph Strong Rd.
G1WA0049

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)	
Comp	Grab	Comp	Grab	Comp	Grab
☐	☒	☐	☒	☐	☒
Matrix (Salt, Fresh)	Fresh	Matrix (Salt, Fresh)	Fresh	Matrix (Salt, Fresh)	Fresh
Temp (C)	11.80	Temp (C)	12.37	Temp (C)	11.94
Diss. Oxygen (mg/L)	10.44	Diss. Oxygen (mg/L)	4.23	Diss. Oxygen (mg/L)	10.63
pH	6.32	pH	6.78	pH	6.89
Salinity (ppt)	0.03	Salinity (ppt)	0.08	Salinity (ppt)	0.03
Sample Depts (m)	0.25	Sample Depts (m)	0.1	Sample Depts (m)	0.15
Sp. Conductance (umho/cm)	64	Sp. Conductance (umho/cm)	175	Sp. Conductance (umho/cm)	62
Latitude (Decimal Degrees)	30.5237	Latitude (Decimal Degrees)	30.5832	Latitude (Decimal Degrees)	30.599
Longitude (Decimal Degrees)	-84.5503	Longitude (Decimal Degrees)	-84.5519	Longitude (Decimal Degrees)	-84.576
Time	0900	Time	0905	Time	1006
Bottle Group(s)	D	Bottle Group(s)	A	Bottle Group(s)	B, X

Relinquished By: Lasley / wivi
Date/Time: 2/1/17
Number of Coolers: 1320

Received By: [Signature]
Date/Time: 2/1/17
Number of Coolers: 1320

Requester: Benjamin Ralys
SMP
Project ID: SMP

Field Report Prepared By: FDEP

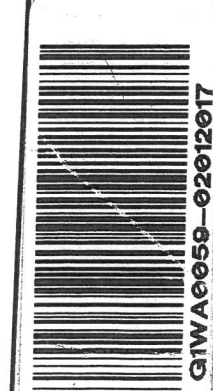
Loc Field ID →
Quincy Creek
upstream of
SR 267
Feb 01, 2017



Quincy Creek
upstream of
SR 267
STORET ↓
G1WA0050-02012017

☐ Comp	☒ Grab	Date 2-1-17	Time 1032	Collection (comp begin or grab)	Eastern Central	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	10.30					
Temp (C)	12.21	pH	6.82	Sample Depts (m)	0.15	Sp. Conductance (umho/cm)	59	
Salinity (ppt)	0.03	Comments						
Latitude (Decimal Degrees)	30.600	Longitude (Decimal Degrees)	-84.581					

Field ID →
Juniper Creek
upstream of
Juniper Creek Rd.
Feb 01, 2017



Juniper Creek
upstream of
Juniper Creek Rd.
STORET ↓
G1WA0059

☐ Comp	☒ Grab	Date 2-1-17	Time 1126	Collection (comp begin or grab)	Eastern Central	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	9.42					
Temp (C)	12.37	pH	5.89	Sample Depts (m)	0.3	Sp. Conductance (umho/cm)	82	
Salinity (ppt)	0.04	Comments						
Latitude (Decimal Degrees)	30.531	Longitude (Decimal Degrees)	-84.736					

Field ID →
Harbinwood Estates Drain
Feb 01, 2017



Harbinwood Estates Drain
STORET ↓
G1WA0034

☐ Comp	☒ Grab	Date 2-1-17	Time 12:35	Collection (comp begin or grab)	Eastern Central	Date	Time	Bottle Group(s)
Matrix (Salt, Fresh)	Fresh	Diss. Oxygen (mg/L)	10.04					
Temp (C)	16.46	pH	6.70	Sample Depts (m)	0.05	Sp. Conductance (umho/cm)	93	
Salinity (ppt)	0.04	Comments						
Latitude (Decimal Degrees)	30.5143	Longitude (Decimal Degrees)	-84.3357					

Relinquished By: Lasley Wiwi
Date/Time 2/1/17

Number of Coolers	1320	Received By: [Signature]	Date/Time 2/1/17
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1320

Date of Request: 09-JAN-2017
 Created By: MUSSON_C On: 09-JAN-2017
 Modified By: MATTHEWS_D On: 10-JAN-2017
 Customer: WQ-ASSESS
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Tanyard, Quincy, Juniper, Harbinwood, unnamed

Send Coolers To:

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

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 10-JAN-2017
 Biology Request Reviewed By: MATTHEWS_D On: 10-JAN-2017
 Sampling Kit Required: YES Ship on: 31-JAN-2017
 Sampling Kit Shipped: YES On: 30-JAN-2017
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: NO
 Date to Receive Samples: 01-FEB-2017
 Received By:

Send Final Report To:

Division Of Water Facilities, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: Curits Musson

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

Comments: Group A: Freshwater Kit, No Metals
 Group B: Freshwater Kit With Metals
 Group C: Freshwater Kit With Metals; E. coli
 Group D: Freshwater Kit With Metals; E. coli; Tracers; Markers
 Group E: E. coli; Tracers; Markers

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 2	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: 2	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 B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

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
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	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 C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type:	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		

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
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	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 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type:	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		

Bottle Group D (Water) With 1 Samples:

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3
 W-ICPMS Template: (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Lead

Silver

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
 W-TOC Template: DEFAULT (SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Bottle Type: P-125ML Number of Bottles: 1 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 Type: BG-1L Number of Bottles: 1 Preserved With: ICE
 W-SUC-AA-R Template: DEFAULT (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
 W-UHERB-AA Template: DEFAULT (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 2 Samples:

Bottle Type: Number of Bottles: 2 Preserved With: ICE
 ECOLI-18QT Template: DEFAULT (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE
 PCR-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Type: BG-1L Number of Bottles: 2 Preserved With: ICE
 W-SUC-AA-R Template: DEFAULT (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
 W-UHERB-AA Template: DEFAULT (USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

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

Cooler Packing Worksheet for Request: RQ-2017-01-30-33

Tanyard, Quincy, Juniper, Harbinwood, unnamed

Ship Cooler On: 1/31/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: GREENWOO_J

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 Kit, No Metals → ~~611A0052~~

Group B: Freshwater Kit With Metals → ~~611A0052~~

Group C: Freshwater Kit With Metals; E. coli → ~~611A0052~~

Group D: Freshwater Kit With Metals; E. coli; Tracers; Markers → ~~611A0052~~

Group D: E. coli; Tracers; Markers → ~~611A0052~~

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 00065893

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 # 1108467

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: ICE And H2SO4

Lot # 00066045

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 # 00065449

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: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00065893

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: 1 Preservation: ICE

Lot # 1188467

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00066885

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: 1 Preservation: ICE And H2SO4

Lot # 00066045

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: 1 Preservation: ICE-FLTR

Lot # 00065449

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: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00066566

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: 1 Preservation: ICE

Lot # 1188467

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 116292

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00066045

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: 1 Preservation: ICE And H2SO4

Lot # 00066045

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: 1 Preservation: ICE-FLTR

Lot # 00065449

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: D

of Sites: 1

Container ID: P-1L
Description: Plastic Bottle 1L

Qty: 1 Preservation: ICE

Lot # 00064566

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
Description: Brown Plastic Bottle 1L

Qty: 1 Preservation: ICE

Lot # 1188467

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI
Description:

Qty: 1 Preservation: ICE

Lot # L16292

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-250ML
Description:

Qty: 2 Preservation: ICE

Lot # 00064040

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: P-500ML
Description: Plastic Bottle 500 mL

Qty: 1 Preservation: HNO3

Lot # 00066045

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: 1 Preservation: ICE And H2SO4

Lot # 00066045

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: 1 Preservation: ICE-FLTR

Lot # 00065449

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 1 Preservation: ICE

Lot # 00066240

Description: Brown Glass Bottle 1L

Analysis

W-SUC-AA-R
W-UHERB-AA

Description

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: 2

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 00066292

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00064040

Description:

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 00066240

Description: Brown Glass Bottle 1L

Analysis

W-SUC-AA-R

W-UHERB-AA

Description

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

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

Cooler Packed By: J.D.

Date: 1/30/17

DEP Cooler ID #(s): 2

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-2017-01-30-33