

Request Number: 2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Page 1 of 4

Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Robert Wiwi
Sampling Agency: FDEP

Collected By: Curtis Musson, Robert Wiwi

STORET ↓		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 6/27/17 Time 8:15 Eastern Central		Collection (comp begin or grab) Date Time		Bottle Group(s)
Aj Henry Park Pond Middle Field ID →  June 27, 2017 Q1WA0058_06272017		Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 6.20			Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 79	C
		Temp (C) 29.24	pH 7.01					
		Salinity (ppt) 0.04	Comments					
		Latitude (Decimal Degrees) 30.508		Longitude (Decimal Degrees) -84.216				
STORET ↓ Lake Arrowhead at boat dock at Turtle Crk Ln near outlet Field ID →  June 27, 2017 Q1WA0004_06272017		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/17 Time 8:55 Eastern Central		Collection (comp begin or grab) Date Time		Bottle Group(s)	
		Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 8.00			Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 73	C
		Temp (C) 29.09	pH 7.12					
		Salinity (ppt) 0.03	Comments					
		Latitude (Decimal Degrees) 30.568517		Longitude (Decimal Degrees) -84.218058				
STORET ↓ Tallavanna Lake Middle Field ID →  June 27, 2017 Q1WA0045_06272017		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/27/17 Time 9:53 Eastern Central		Collection (comp begin or grab) Date Time		Bottle Group(s)	
		Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 9.68			Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 251	A, B D, G
		Temp (C) 29.07	pH 8.97					
		Salinity (ppt) 0.12	Comments					
		Latitude (Decimal Degrees) 30.59862		Longitude (Decimal Degrees) -84.46593				

Relinquished By: Date/Time
6/27/17 14:25Number of Coolers
5Received By: Date/Time
6/27/17 14:30

Request Number:2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester:Curtis Musson

Field Report Prepared By:Robert Wini

Customer:WQ-ASSESS

Project ID:SMP

Collected By:Curtis Musson, Robert Wini

Sampling Agency:FDEP

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QC BLANK

Field ID:→
Swamp Creek
upstream of
Railroad
QC-Blank
June 27, 2017

G1WA0052_06272017B

☐ Comp

☒ Grab

Collection (comp begin or grab)

Date6/27/17

Time7:10

EasternCentral

Collection (comp begin or grab)

Date

Time

Matrix (Salt, Fresh)

DI. Water

Diss. Oxygen (mg/L)

Temp (C)

pH

Sample Depts (m)

Sp. Conductance (umho/cm)

Salinity (ppt)

Comments

QC Blank, DI Water

Latitude (Decimal Degrees)

Longitude (Decimal Degrees)

Bottle Group(s)

C, E

☐ Comp

☒ Grab

Collection (comp begin or grab)

Date6/27/17

Time10:55

EasternCentral

Collection (comp begin or grab)

Date

Time

Matrix (Salt, Fresh)

Fresh

Diss. Oxygen (mg/L)

7.29

Temp (C)

24.21

pH

5.97

Sample Depts (m)

0.3

Sp. Conductance (umho/cm)

70

Salinity (ppt)

0.03

Comments

Latitude (Decimal Degrees)

30.663

Longitude (Decimal Degrees)

- 84.448

Bottle Group(s)

C, D, E, F, G

☐ Comp

☒ Grab

Collection (comp begin or grab)

Date6/27/17

Time10:55

EasternCentral

Collection (comp begin or grab)

Date

Time

Matrix (Salt, Fresh)

Fresh

Diss. Oxygen (mg/L)

7.29

Temp (C)

24.21

pH

5.97

Sample Depts (m)

0.3

Sp. Conductance (umho/cm)

70

Salinity (ppt)

0.03

Comments

QC Dup

Latitude (Decimal Degrees)

30.663

Longitude (Decimal Degrees)

- 84.448

Bottle Group(s)

C, D, E

Relinquished By:

Date/Time6/27/17 14:25

Number of Coolers5

Received By:

Date/Time6/27/17 14:54

Request Number: 2017-05-15-16

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal FormPage 3 of 4
Robert Wini

Customer: WQ-ASSESS

Requester: Curtis Musson

Field Report Prepared By:

Sampling Agency: FDEP

Project ID: SMP

Collected By:

Curtis Musson, Robert Wini

Location	STORET ↓ Barcode GIWA0053	Field ID → Barcode GIWA0053_06272017	Collection (comp begin or grab) Date 6/27/17 Time 11:50 Eastern Central	Collection (comp begin or grab) Date Time	Bottle Group(s)
Salem Branch downstream of SR 159			☒ Comp ☐ Grab Matrix (Salt, Fresh) Fresh Temp (C) 27.88 Salinity (ppt) 0.12 Latitude (Decimal Degrees) 30.36	Diss. Oxygen (mg/L) 5.71 pH 6.90 Sample Depts (m) 0.1 Sp. Conductance (umho/cm) 250 Comments Longitude (Decimal Degrees) -84.432	D, E, G
Harbinwood Estates Drain			☐ Comp ☒ Grab Matrix (Salt, Fresh) Fresh Temp (C) 27.86 Salinity (ppt) 0.07 Latitude (Decimal Degrees) 30.5193	Diss. Oxygen (mg/L) 4.41 pH 6.34 Sample Depts (m) 0.05 Sp. Conductance (umho/cm) 153 Comments Longitude (Decimal Degrees) -84.3357	D, E, G
Megginnis Arm Run Downstream of Sharer			☐ Comp ☒ Grab Matrix (Salt, Fresh) Fresh Temp (C) 27.99 Salinity (ppt) 0.07 Latitude (Decimal Degrees) 30.4804	Diss. Oxygen (mg/L) 6.12 pH 6.89 Sample Depts (m) 0.1 Sp. Conductance (umho/cm) 150 Comments Longitude (Decimal Degrees) -84.2982	C, D E, G

Relinquished By:

Date/Time

6/27/17 14:25

Number of Coolers

5

Received By:

Date/Time

6/27/17 14:30

Relinquished By: 	Date/Time: 6/27/17 14:25	Number of Coolers: 5	Received By: 	Date/Time: 6/27/17 14:30
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Date of Request: 10-APR-2017
 Created By: MUSSON_C On: 10-APR-2017
 Modified By: WATTS_J On: 01-MAY-2017
 Customer: WQ-ASSESS
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: East Quincy, Tallahassee

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: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 01-MAY-2017
 Biology Request Reviewed By: SWANSON_C On: 28-APR-2017
 Sampling Kit Required: YES Ship on: 11-MAY-2017
 Sampling Kit Shipped: YES On: 09-MAY-2017
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: YES
 Date to Receive Samples: 17-MAY-2017
 Received By: REYNOLDS_T On: 27-JUN-2017

Send Final Report To:

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

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

Comments: Group A: Freshwater Nutrient Kit With Metals
 Group B: Pesticides
 Group C: Freshwater Nutrient Kit
 Group D: E. coli
 Group E: Organics - Wastewater Tracers
 Group F: PCR-HF183
 Group G: PCR-FILTER

Packing Notes:
 1 - case of sulfuric acid

No FedEx labels needed, samples will be dropped off

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 CaCO ₃ /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-SO ₄ -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: HNO ₃
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		

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	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
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: 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 2 Samples:

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS
W-PYR-AA-R	Template: DEFAULT	(EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS
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 Type: BG-500ML	Number of Bottles: 6	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-1L	Number of Bottles: 6	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group C (Water) With 7 Samples:

Bottle Type: BP-1L	Number of Bottles: 7	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: 7	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: 7	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: P-1L	Number of Bottles: 7	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 Group D (Water) With 9 Samples:

Bottle Type:	Number of Bottles: 9	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group E (Water) With 7 Samples:

Bottle Type: BG-1L	Number of Bottles: 7	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
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 F (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 4	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group G (Water) With 6 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 12	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis

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

Log-in Checklist

RQ- 2017-05-15-16

Shipping Method: HD

Date/Time of Receipt: 6/27/17 14:30

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
RED	4.2°C	6		✓			
RED	1.5°C	19		✓			
RED	1.8°C	18		✓			
RED	1.3°C	12		✓			
RED	2.3°C	18		✓			

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

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

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

CONTAINER CHECK

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

**Caps on tight? Yes ☒ No ☐ **Containers intact? Yes ☒ No ☐

**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK (Blue dot on container).

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

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: J.D.

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: J.D.

Coolers Unpacked/Checked by: J.D. Date: 6/27/17 NCRs (Y/N)? N

Event ID: WQ-ASSESS-2017-06-27-01 NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

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

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

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

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ No ✓

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Additional Comments: