



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

Qualified Data

October 2017

Location/STORET Station Name: Mirror Lake @ Center of North Lobe Date: 01/09/2018
(mm/dd/yyyy)

STORET # G1CE0041 WBID: 2868A Latitude: 28.563657
(Decimal Degrees)

County: Lake RQ - 2018-01-01-28 ORG ID: 21FLCEN Longitude: -81.700351
(Decimal Degrees)

Receiving Body of Water: _____ Field ID: G1CE0041

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Mike Linger				/	/			
Mike Dreagan				/	/			

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

Equipment ID: _____

Collection Method			
☐ Wading	☒ Canoe/Kayak		
☐ From Shore	☒ Electric Motor		
☐ Other	☐ Gasoline Motor		

Water Level: Dry / Low / Normal / Above Normal / Flooded Meter ID# Betty/G7 Matrix: Fresh Marine / DI

Photos: Yes No Flow: No Flow / Intestinal / Flowing NA Tide: Rising / Falling / Slack NA Tide Times: High Low

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	1241	0.3	8.7	9.47	95.0	7.34	0.07	4.0	154	15.52
CEN		8.275		8.75	84.7	6.98	0.07		153	13.98

Biological Samples Collected: None 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	SA7275010	10/2/18	☒ <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	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Notes: 28.56511 RQ-2018-01-01-29 in LIMS
-81.69855
-KW

Mirror Lake @ Center of North Lobe (2868A)

Date: 01/09/2018
RQ-2018-01-01-28

G1CE0041
Field ID ↑
STORET ↓
G1CE0041

Signature: Oricklin

Date: 1/9/18

Field Parameters Entered into LIMS: Kmw 1/16/18
(Initials/Date)

Field Parameters QC in LIMS: _____
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

Field Sheets Scanned/Saved: _____
(Initials/Date)

From: [Lurding, Kathleen](#)
To: [Linger, Michael](#); [Ayala, Natalie](#); [Cobb, Devan R.](#)
Cc: [Watts, John](#); [Bowden, Magan](#)
Subject: RE: STORET/WIN ID Mistake
Date: Thursday, January 18, 2018 9:40:17 AM

OK – thanks Mike – I think we got our emails crossed but this will work.

I noticed the error in the request but could find the event based on the sample date. Magan – it's CEN-DIST-2018-01-10-01.

Thanks all –

Kathy

From: Linger, Michael
Sent: Thursday, January 18, 2018 9:18 AM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>; Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>
Cc: Watts, John <John.Watts@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Subject: RE: STORET/WIN ID Mistake

Kathy,

Attached are the amended submittal forms. Also note that the wrong RQ was on some parts of the original submittal forms. The correct RQ is RQ-2018-01-01-29, not RQ-2018-01-01-28

Thank you for all the help,

Mike Linger

From: Lurding, Kathleen
Sent: Wednesday, January 17, 2018 4:56 PM
To: Ayala, Natalie <Natalie.Ayala@dep.state.fl.us>; Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>
Cc: Watts, John <John.Watts@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>; Linger, Michael <Michael.Linger@dep.state.fl.us>
Subject: RE: STORET/WIN ID Mistake

Great – that'll work.

Kathy

From: Ayala, Natalie
Sent: Wednesday, January 17, 2018 4:42 PM
To: Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>; Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>

Cc: Watts, John <John.Watts@dep.state.fl.us>; Bowden, Magan <Magan.Bowden@dep.state.fl.us>; Linger, Michael <Michael.Linger@dep.state.fl.us>
Subject: Re: STORET/WIN ID Mistake

Thanks, Kathy. I'm working from home today so I don't have access to the submittal form. I'm copying some staff that may still be in the office. If they're unable to, can I get that amended form to you first thing in the morning?

Thanks,

Natalie

From: Lurding, Kathleen
Sent: Wednesday, January 17, 2018 4:29:49 PM
To: Ayala, Natalie; Cobb, Devan R.
Cc: Watts, John; Bowden, Magan
Subject: RE: STORET/WIN ID Mistake

Natalie – you did catch it in time so we have no problem making this change. Will you send us a corrected submittal form please?

Magan – When we get an updated submittal form would you please replace the original one with the correct one and make this change? If you have already authorized login, this change will require you to do it again.

Thanks for sending your request so promptly.

Kathy

KM Lurding
Administrator, Scientific Support Services Program
FDEP Laboratories
(850) 245-8076

From: Ayala, Natalie
Sent: Wednesday, January 17, 2018 4:23 PM
To: Cobb, Devan R. <Devan.R.Cobb@dep.state.fl.us>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Cc: Watts, John <John.Watts@dep.state.fl.us>
Subject: Fw: STORET/WIN ID Mistake

Hello,

I know you avoid editing stations for lab results that have already been reported so I'm hoping we caught this one early enough that the station can be corrected in LIMS before its reported.

- RQ 2018-01-01-28 was collected on 01/09/2018 with samples G1CE0047 and G1CE0041.
- G1CE0047 was incorrectly labeled. Both submittal forms (the submittal form for the Central Lab and the contract lab for the E. coli analysis) have the wrong station ID (G1CE0047). The correct station ID for the site collected should be G1CE0042.

Is it possible to amend this in LIMS on your end?

I appreciate your help and sorry about the mix up. We're taking steps to avoid mistakes like these in the future.

Thanks,
Natalie Ayala

From: Musson, Curtis
Sent: Wednesday, January 17, 2018 12:46 PM
To: Ayala, Natalie
Subject: RE: STORET/WIN ID Mistake

Natalie,

It's unfortunate it happened again but I am happy you have checks in place and caught it. Will you ask Kathy Lurding, and Devan Cobb to update the incorrect info in LIMS?

Thank you!

Curtis

From: Ayala, Natalie
Sent: Tuesday, January 16, 2018 3:14 PM
To: Musson, Curtis <Curtis.Musson@dep.state.fl.us>
Subject: STORET/WIN ID Mistake

Curtis,

Despite correcting old field sheets and ensuring that there was no reference to this erroneous WIN ID somehow Lake Felter (2868B) samples were submitted to the lab under the wrong

WIN ID (again). I've corrected this in the LIMS DMT and the latest field sheets and will grill the samplers about what they're referencing when filling out station information.

Thank you,

Natalie Ayala

Environmental Specialist III

Division of Environmental Assessment and Restoration

3319 Maguire Blvd Suite 232

Orlando, FL 32803

Office: 407-897-4178

Tilden x4 / Mirror / Felter

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Linger

Project ID: SMP

Collected By: Mike Linger / Lawrence Brennan

Sampling Agency: FDEP CE-ROC

Location Luke Felter @ Center		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/9/18 Time 1144		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) (See pg 2) B
Field ID G1CE0042		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.47		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # G1CE0042		Temp (C) 13.25	pH 6.85	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 127		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms	Comments CD-FLR-ECQ sent to contract lab			
Location Mirror Lake @ Center of North Lake		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/9/18 Time 1241		☒ Eastern ☐ Central	Composite end Date Time		Bottle Group(s) B
Field ID G1CE0041		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 9.47		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # G1CE0041		Temp (C) 15.52	pH 7.34	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 154		
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms	Comments CD-FLR-ECQ sent to contract lab			
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms	Comments			
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time		☐ Eastern ☐ Central	Composite end Date Time		Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Salinity (ppt) ☐ dd ☐ dms	Comments			

Relinquished By: MKL	Date/Time 1/9/18 1600	Shipping Method FedEx	Number of Coolers Shipped: 1	Received By:	Date/Time
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★ Amended submittal form
MKL

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						

Group: B	Bottle Type: P-250ML-WI-THI	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CD-FLR-ECQ			<u>2 sent to contract lab</u>

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

Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3			<u>2</u>
	W-NO2NO3			
	W-S-A-TP			
	W-TKN			
	W-TOC			

Group: B	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F			<u>2</u>



CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP

Project Number: RQ- 2018-01-01-29

Site Location: Mirror / Felter

Contract/PO # Flowers Lab - B16975

Sampler Names: Mike Linger / Mike Dorman Signature: Mike Linger

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G1CE0042		1/9/18	1144	1	X		X							X	X		
G1CE0041		1/9/18	1241	1	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
<u>Mike Linger</u>	1/9/18					Temp Upon Receipt :
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N

* Amended submitted form - MFL

Log-in Checklist

RQ-2018-01-01-29

Shipping Method: FEDEX

Date/Time of Receipt: 01/10/18 @ 10:21 am

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	1.9°C	8		✓			811595512489

*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-Cl-R		

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: TR

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

Coolers Unpacked/Checked by: Tyler R. Date: 01/10/18 NCRs (Y/N)? N

Event ID: Tilden x4 / Mirror / Felter NCR #

CEN-DIST-2018-01-10-01 (SMP)

Date Received: 10-JAN-2018 10:21

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:

Tilden x4 / Mirror / Felter

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Mike Linger

Project ID: SMP

Collected By:

Mike Linger / Mike Drennan

Sampling Agency:

FDEP CE-ROC

Location	Lake Felter @ Center (2868B)	Field ID	G1CE0047	STORET	Date: 01/09/2018 RQ-2018-01-01-28	Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	☐ dd ☐ dms	Comments	-CD-FELR-ECQ sent to contract lab
Location	Mirror Lake @ Center of North Lobe (2868A)	Field ID	G1CE0041	STORET	Date: 01/09/2018 RQ-2018-01-01-28	Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	☐ dd ☐ dms	Comments	CD-FELR-ECQ sent to contract lab
Location		Field ID		STORET #		Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	☐ dd ☐ dms	Comments	
Location		Field ID		STORET #		Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	☐ dd ☐ dms	Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MKL	1/9/18 1600	FedEx	1	Tyler R.	1/10/18 @ 10:21

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	0
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	0
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						

Group: B	Bottle Type: P-250ML-WI-THI CD-FLR-ECQ	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2 sent to contract lab
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-500ML W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2



CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ-2018-01-01-28
Site Location: Mirror / Filter

Contract/PO # Flowers Lab - B16975

Sampler Names: Mike Linger / Mike Danner
Signature: *[Signature]*

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G1CE0047		1/9/18	1144	1	X		X							X	X		
G1CE0041		1/9/18	1241	✓	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
<i>[Signature]</i>	1/9/18	1344	<i>[Signature]</i>	12/16/18	13:46	Temp Upon Receipt:
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						Y N

Date of Request: 12-DEC-2017
 Created By: LINGER_M On: 12-DEC-2017
 Modified By: SWANSON_C On: 14-DEC-2017
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Tilden x4 / Mirror / Felter

Send Coolers To:

Phone: 407-897-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 13-DEC-2017
 Biology Request Reviewed By: SWANSON_C On: 14-DEC-2017
 Sampling Kit Required: YES Ship on: 20-DEC-2017
 Sampling Kit Shipped: YES On: 21-DEC-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 01-JAN-2018
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

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

Comments: A: Tilden
 B: Mirror / Felter

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L	Number of Bottles: 4	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: CD-FLR-ECQ	Number of Bottles: 4	Preserved With: ICE
	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: BP-1L	Number of Bottles: 4	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 4	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		
Magnesium		
Nickel		
Potassium		
Sodium		

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-500ML	Number of Bottles: 4	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
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: 4	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: 4	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 B (Water) With 2 Samples:

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: 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 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:	Number of Bottles: 2	Preserved With: ICE
CD-FLR-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by FlowersOverflow Laboratory for Central District
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry