

SMP_2016 Green week of 3/14

Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By: A. Hurley

Project ID: SMP

Collected By: T. Wippick / A. Hurley

Sampling Agency: 8050

Location Popash Slough @ SR 70		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 0920	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID GISE0017	Matrix (type, e.g., Salt, Fresh, etc.)	Diss. Oxygen 2.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A	
STORET # GISE0017	Temp (C) 22.5	pH 6.8	Sample Depth 0.3	Sp. Conductance (umho/cm) 526		
Latitude 27.243611 ☒ dd ☐ dms	Longitude -80.896917 ☒ dd ☐ dms	Salinity (ppt) 0.25	Comments			
Location Mosquito Creek @ SR 70		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 0955	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID GISE0014	Matrix (type, e.g., Salt, Fresh, etc.)	Diss. Oxygen 5.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B	
STORET # GISE0014	Temp (C) 22.3	pH 7.4	Sample Depth 0.3	Sp. Conductance (umho/cm) 982		
Latitude 27.236928 ☒ dd ☐ dms	Longitude -80.780868 ☒ dd ☐ dms	Salinity (ppt) 0.48	Comments			
Location L63 @ SE 59th BLVD / LB		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 1015	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID GISE0005	Matrix (type, e.g., Salt, Fresh, etc.)	Diss. Oxygen 6.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B	
STORET # GISE0005	Temp (C) 25.9	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 479		
Latitude 27.218083 ☒ dd ☐ dms	Longitude -80.768417 ☒ dd ☐ dms	Salinity (ppt) 0.2	Comments			
Location Site in Nubbin Slough		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 1040	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID GISE0004	Matrix (type, e.g., Salt, Fresh, etc.)	Diss. Oxygen 2.7	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	B	
STORET # GISE0004	Temp (C) 24.3	pH 6.6	Sample Depth 0.3	Sp. Conductance (umho/cm) 374		
Latitude 27.205556 ☒ dd ☐ dms	Longitude -80.741667 ☒ dd ☐ dms	Salinity (ppt) 0.18	Comments			

Relinquished By: A. Hurley	Date/Time 3/17/16 1500	Shipping Method FedEx	Received By: [Signature]	Date/Time 3-18-16 09:01	Relinquished By:	Date/Time	Received By:	Date/Time
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Group: A	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: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
BOD-UNIN							
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
CHLSUITE-W							
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
W-ICP							
W-ICPMS							
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
W-TOC							
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
W-PO4-F							
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
ALKALINITY							
TURBIDITY							
W-CL-IC							
W-COLOR							
W-F							
W-SO4-IC							
W-TDS							
W-TSS							

Group: B	Bottle Type: P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab
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BOD-UNIN

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

Group: B	Bottle Type: P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
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W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

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

Request Number: RQ-2016-03-14-55

Florida Department of Environmental Protection

Page 1 of 3

SMP_2016 Green week of 3/14

Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: SE-DIST

Requester: Jordan Skaggs

Field Report Prepared By: A. Hurley

Project ID: SMP

Collected By: T. Wippick / A. Hurley

Sampling Agency: 8050

Location Henry Creek @ SR 70	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 1105	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID G1SE0002	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 2.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____
STORET # G1SE0002	Temp (C) 22.8	pH 6.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 733
Latitude 27.175047	☒ dd ☐ dms	Longitude -80.701721	☒ dd ☐ dms	Salinity (ppt) 0.36	Comments
Location Lettuce Creek @ Hwy SR 70	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 1125	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G1SE0015	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 4.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____
STORET # G1SE0015	Temp (C) 22.4	pH 7.0	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 431
Latitude 27.165632	☒ dd ☐ dms	Longitude -80.687300	☒ dd ☐ dms	Salinity (ppt) 0.21	Comments
Location S-153 Basin Unnamed Creek @ 710	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/17/16 Time 1150	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID G1SE0001	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 2.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____
STORET # G1SE0001	Temp (C) 24.0	pH 7.0	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1189
Latitude	☒ dd ☐ dms	Longitude	☒ dd ☐ dms	Salinity (ppt) 0.59	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)	Comments

Relinquished By: A. Hurley	Date/Time 3/17/16 1500	Shipping Method FEDEX	Received By: [Signature]	Date/Time 03-18-16 09:01	Relinquished By:	Date/Time	Received By:	Date/Time
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Group: A 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: A Bottle Type: P-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2

BOD-UNIN

Group: A Bottle Type: BP-1L # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 2 Preservative: HNO3 Enter Number of Bottles Sent to Lab 2

W-ICP
W-ICPMS

Group: A Bottle Type: P-500ML # of Bottles: 2 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 2

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A Bottle Type: P-125ML # of Bottles: 2 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab 2

W-PO4-F

Group: B Bottle Type: P-1L # of Bottles: 6 Preservative: ICE Enter Number of Bottles Sent to Lab 6

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: B	Bottle Type: P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
BOD-UNIN					
Group: B	Bottle Type: BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
CHLSUITE-W					
Group: B	Bottle Type: P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
W-NH3					
W-NO2NO3					
W-S-A-TP					
W-TKN					
W-TOC					
Group: B	Bottle Type: P-125ML	# of Bottles: 6	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	6
W-PO4-F					

Date of Request: 29-FEB-2016
 Created By: SKAGGS_J On: 29-FEB-2016
 Modified By: SWANSON_C On: 01-MAR-2016
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: SMP_2016 Green week of 3/14

Send Coolers To:

Phone: (772) 579-3039
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

Program Module Number: 1306
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 01-MAR-2016
 Biology Request Reviewed By: SWANSON_C On: 01-MAR-2016
 Sampling Kit Required: YES Ship on: 04-MAR-2016
 Sampling Kit Shipped: YES On: 03-MAR-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: NO
 Date to Receive Samples: 14-MAR-2016
 Received By: SHAIK_A On: 18-MAR-2016

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

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

Comments:

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: P-1L	Number of Bottles: 2	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
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		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: HNO3
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Chromium
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 6 Samples:

Bottle Type: P-500ML	Number of Bottles: 6	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: 6	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: 6	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: P-1L	Number of Bottles: 6	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 6	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Log-in Checklist

RQ- 2013-03-14-55

Shipping Method: Fed Exp

Date/Time of Receipt: 03-18-16/9:01

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	2.3C	14		✓			
Red	2.5C	15		✓			
Red	1.4C	21		✓			

*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					

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: ADJ

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

Coolers Unpacked/Checked by: ADJ Date: 03-18-16 NCRs (Y/N)?

Event ID: SMP 2016 Green week of 3/14 NCR #

SE-DIST-2016-03-18-01 (SMP)
Date Received: 18-MAR-2016 09:01

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 – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

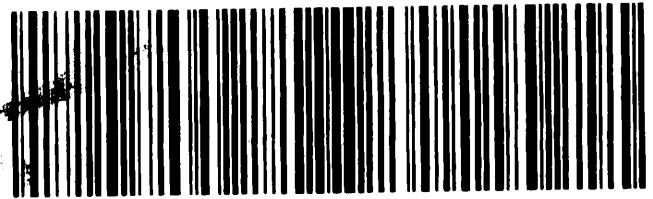
Additional Comments:

TRK# 7826 1722 7930
0201

FRI - 18 MAR 3:00P
STANDARD OVERNIGHT

36 TLHA

32399
FL-US TLH



TRK# 7826 1724 4370
0201

FRI - 18 MAR 3:00P
STANDARD OVERNIGHT

36 TLHA

32399
FL-US TLH



TRK# 7826 1725 8734
0201

FRI - 18 MAR 3:00P
STANDARD OVERNIGHT

36 TLHA

32399
FL-US TLH

