RQ-2019-09-23-10

Date of Request: 05-AUG-2019
Created By: ASHTON_J On: 05-AUG-2019
Modified By: JASROTIA_P On: 27-AUG-2019
Customer: SW-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Southwest District
Sampling Event: Gilley, Owen, Myakka@Clay Gully

Send Coolers To:

Phone: 813-470-5772
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Judy Ashton

Send Final Report To:

FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Judy Ashton

Program Module Number:
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 27-AUG-2019
Biology Request Reviewed By: JASROTIA_P On: 27-AUG-2019
Sampling Kit Required: YES Ship on: 13-SEP-2019
Sampling Kit Shipped: YES On: 09-SEP-2019
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 23-SEP-2019
Received By: KLUG_K On: 27-SEP-2019

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

Comments: Group A: Nutrients & Pesticides

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE

ALKALINITY Total Alkalinity	Template: DEFAULT	(SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY Turbidity	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC Chloride	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B-2011) True Color measured at 450 nm
W-F Fluoride	Template: DEFAULT	(SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC Sulfate	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS TDS	Template: DEFAULT	(SM 2540 C-2011) Total Dissolved Solids in aqueous matrices
W-TSS TSS	Template: DEFAULT	(SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE

W-PSNP-TQ *Dimethenamid *Dithiopyr *Fipronil Desulfinyl *Oxadiazon *Prodiamine	Template: DEFAULT	(EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE

W-PSNP-TQ Template: DEFAULT (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

- *Tebuconazole
- Acetochlor
- Alachlor
- Ametryn
- Atrazine
- Atrazine Desethyl
- Azinphos Methyl
- Bromacil
- Butylate
- Chlorpyrifos Ethyl
- Chlorpyrifos Methyl
- Cyanazine
- Demeton
- Diazinon
- Disulfoton
- EPTC
- Ethion
- Ethoprop
- Fenamiphos
- Fipronil
- Fipronil Sulfide
- Fipronil Sulfone
- Fonofos
- Hexazinone
- Malathion
- Metalaxyl
- Metolachlor
- Metribuzin
- Mevinphos
- Molinate
- Norflurazon
- Parathion Ethyl
- Parathion Methyl
- Pendimethalin
- Phorate
- Prometon
- Prometryn
- Simazine
- Terbufos
- Terbuthylazine

Bottle Type: BP-1L Number of Bottles: 1 Preserved With: ICE

CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

- Chlorophyll-a, Corrected
- Chlorophyll-a, Uncorrected
- Phaeophytin-a

Bottle Type: QPCR-P-500ML Number of Bottles: 1 Preserved With: ICE

PCR-BACR Template: DEFAULT (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

- *BacR-qPCR

PCR-DG3 Template: DEFAULT (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction

- *DG3-qPCR

PCR-HF183 Template: DEFAULT (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

- *HF183-qPCR

Bottle Type: P-250ML-WI-THI Number of Bottles: 1 Preserved With: ICE

SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto

- Escherichia Coli-Quanti-Tray

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH2ClCOOH Pre-Preserved

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH2ClCOOH Pre-Preserved

W-CARB-AA Template: DEFAULT (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS

- 3-Hydroxycarbofuran
- Aldicarb
- Aldicarb Sulfone
- Aldicarb Sulfoxide
- Carbaryl
- Carbofuran
- Methiocarb
- Methomyl
- Oxamyl
- Propoxur

Bottle Type: BG-500ML Number of Bottles: 4 Preserved With: ICE

W-CT-CI-R Template: DEFAULT (EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

- Chlordane
- Toxaphene

W-PCL-SQ-R Template: (EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM

- Aldrin
- Alpha-BHC
- Alpha-Chlordane
- Beta-BHC
- Carbophenothion
- Chlorothalonil
- Cypermethrin
- DDD-p,p'
- DDE-p,p'
- DDT-p,p'
- Delta-BHC
- Dicofol
- Dieldrin
- Endosulfan I
- Endosulfan II
- Endosulfan Sulfate
- Endrin
- Endrin Aldehyde
- Endrin Ketone
- Gamma-BHC
- Gamma-Chlordane
- Heptachlor
- Heptachlor Epoxide
- Methoxychlor
- Mirex
- Permethrin
- Trifluralin

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE

W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

- *Acesulfame K
- *AMPA
- *Endothall
- *Glufosinate
- *Glyphosate
- *Sucralose

W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

- *Acetaminophen
- *Acetamiprid
- *Afidopyropen
- *Benzovindiflupyr
- *Carbamazepine
- *Clothianidin
- *Dinotefuran

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE

W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

*Fluridone
*Hydrocodone
*Ibuprofen
*Imazapyr
*Mandestrobin
*Naproxen
*Primidone
*Pyraclostrobin
*Thiamethoxam
*Tolfenpyrad
*Triclopyr
2,4-D
Bentazon
Diuron
Fenuron
Imidacloprid
Linuron
MCPP

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

Ammonia-N

W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L

NO2NO3-N

W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L

Total-P

W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Kjeldahl Nitrogen

W-TOC Template: DEFAULT (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices

Organic Carbon

Bottle Type: P-125ML Number of Bottles: 1 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

O-Phosphate-P

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-1L Number of Bottles: 3 Preserved With: ICE

ALKALINITY Template: DEFAULT (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L

Total Alkalinity

TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices

Turbidity

W-CL-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices

Chloride

W-COLOR Template: DEFAULT (SM 2120 B-2011) True Color measured at 450 nm

Color (true)

W-F Template: DEFAULT (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Fluoride

W-SO4-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices

Sulfate

W-TDS Template: DEFAULT (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices

TDS

W-TSS Template: DEFAULT (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

TSS

Bottle Type: BP-1L Number of Bottles: 3 Preserved With: ICE

CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Chlorophyll-a, Corrected
Chlorophyll-a, Uncorrected
Phaeophytin-a

Bottle Type: QPCR-P-500ML Number of Bottles: 3 Preserved With: ICE

Bottle Group B (Water) With 3 Samples:

Bottle Type: QPCR-P-500ML Number of Bottles: 3 Preserved With: ICE

PCR-BACR Template: DEFAULT (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

*BacR-qPCR

PCR-HF183 Template: DEFAULT (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

*HF183-qPCR

Bottle Type: P-250ML-WI-THI Number of Bottles: 3 Preserved With: ICE

SW-BEA-ECQ Template: DEFAULT (SM 9223 B Quanti-Tray) E. coli by Colilert/QT by BEA in Palmetto

Escherichia Coli-Quanti-Tray

Bottle Type: BG-500ML Number of Bottles: 3 Preserved With: ICE

W-E8321-DI Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

*Acesulfame K
*AMPA
*Endothall
*Glufosinate
*Glyphosate
*Sucralose

W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

*Acetaminophen
*Acetamiprid
*Afidopyropen
*Benzovindiflupyr
*Carbamazepine
*Clothianidin
*Dinotefuran
*Fluridone
*Hydrocodone
*Ibuprofen
*Imazapyr
*Mandestrobin
*Naproxen
*Primidone
*Pyraclostrobin
*Thiamethoxam
*Tolfenpyrad
*Triclopyr
2,4-D
Bentazon
Diuron
Fenuron
Imidacloprid
Linuron
MCPP

Bottle Type: P-500ML Number of Bottles: 3 Preserved With: ICE And H2SO4

W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L

Ammonia-N

W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L

NO2NO3-N

W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L

Total-P

W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Kjeldahl Nitrogen

W-TOC Template: DEFAULT (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices

Organic Carbon

Bottle Type: P-125ML Number of Bottles: 3 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

O-Phosphate-P

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