

## Shaik, Amzad

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**From:** Fitzgerald, Trey  
**Sent:** Monday, June 20, 2022 15:23  
**To:** Shaik, Amzad; Blair, Paul  
**Subject:** Re: RQ-2022-06-20-60 MATRIX

Thats my bad i thought i fixed my blunder but i guess i actually created one instead. Boat ramp is fresh matrix and otter creek is marine. Sorry for all the mistakes today. I will make sure i triple check next time.

-Trey

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**From:** Shaik, Amzad <Amzad.Shaik@dep.state.fl.us>  
**Sent:** Monday, June 20, 2022 3:19:46 PM  
**To:** Fitzgerald, Trey <Trey.Fitzgerald@FloridaDEP.gov>; Blair, Paul <Paul.Blair@FloridaDEP.gov>  
**Subject:** RE: RQ-2022-06-20-60 MATRIX

Check the attached file clarify the matrix for circled sites and bottle group for Wekiva Spring>

Thanks!

**From:** Fitzgerald, Trey <Trey.Fitzgerald@FloridaDEP.gov>  
**Sent:** Monday, June 20, 2022 13:25  
**To:** Lab.Receiving <Lab.Receiving@floridadep.gov>  
**Subject:** RQ-2022-06-20-60

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## Login Checklist

**RQ- 2022 - 06 - 20 - 60**

**Login Station ID:** # 3

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 06/20/2022 / 15:00

[illegible]

## COOLER CHECK

**\*All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** \_\_\_\_\_
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** \_\_\_\_\_
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** \_\_\_\_\_

Chain of Custody/ Field Sheet(s) Included?

Yes **x** No       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes \_\_\_\_\_ No **X**

## CONTAINER CHECK

Evidence Tape on Bottles? Yes ☐ No ☐ NA ☒ Evidence Tape intact? Yes ☐ No ☐

If Criminal, photographs taken? Yes ☐ No ☐ Containers intact? Yes ☒ No ☐

Caps on tight? Yes **X** No     

Sufficient Sample Volume: Yes **X** No     

If **NO** is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# \_\_\_\_\_

**CHLORINE CHECK REQUIRED?** (Blue dot on container) Yes \_\_\_\_\_ No **X** Init: **ABS** /

Chlorine detected? (One container checked per Field ID) Yes \_\_\_\_\_ No \_\_\_\_\_ Init: **ABS** /

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

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

\*\*Acid Preserved Samples: pH < 2.0? Yes **X** No        NA        Init: **ABS** /

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

**If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_**

Coolers Unpacked/Checked by: **ABS** / \_\_\_\_\_ Date: **06/20/2022** Event contains NCRs (Y/N)? **N**

EventID: **TLH - ROC - 2022 - 06 - 20 - 01**

## Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

|                          |                                         |
|--------------------------|-----------------------------------------|
| Infrared Thermometer ID: | IRTG # 3 EXP:10/19/2022                 |
| pH Test Strips 0 – 6     | LOT#223819AV EXP:8/30/2023              |
| pH Paper 0 – 3           | N/A                                     |
| pH Paper 0 – 13          | LOT 207621 EXP:3/15/2024                |
| Chlorine Test Strips     | 0064/11/2018/05 abs<br>0070 / 2023 / 02 |

### ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ Init: ABS

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 \_\_\_\_\_

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# \_\_\_\_\_

**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: \_\_\_\_\_

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
CHAIN OF CUSTODY FORM

**Date:** 6/20/2022 **Collected By:** Trey Fitzgerald, Paul Blair  
**Customer:** TLH-DIST **Sampling:** FDEP  
**RQ:** RQ-2022-06-20-60 **Agency:**  
**Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL  
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

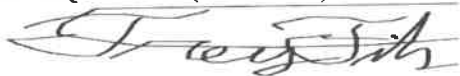
**Number of Coolers Shipped:** 1

**Delivery Method:** HandDelivered

**FIELD ID (Labels) submitted under this RQ for this collection date.**

| Site Location                  | Field ID/WIN ID                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|
| Waccasassa River @ Boat Ramp   | <br>G1TLHR0032   |
| FB                             | <br>FB_06202022 |
| Waccasassa River @ Otter Creek | <br>G1TLHR0101 |
| Wekiva Spring                  | <br>G1TLHR0167 |

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 6/20/2022  
1600 EST

**THIS SECTION TO BE COMPLETED BY LABORATORY**

**Rec'd/Inspected By:** A.SHAIK

**Rec'd/Inspected**  
**Date:** 06/20/2022 / 15:00



RQ-2022-06-20-60

Collected By: Trey Fitzgerald, Paul Blair

Customer: FDEP

Field Report Prepared by: Trey Fitzgerald, Paul Blair

Project ID: SMP

Sampling Agency: FDEP

Comments:

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR0032

Location:

Location: Waccasassa River @ Boat Ramp

Matrix: ~~Marine~~ Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 6/20/2022 1110      | 5.55      | 68.6      | 25.2     | 7.15 | 0.3              | 1            | 3.3             | 277                 | 0.13           |

| Parameter Suite                    | Parameter Methods                                                           |                                          |               |           | Preservation |           | pH Check  | # Bottles sent to Lab | Bottle Group |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|---------------|-----------|--------------|-----------|-----------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |               |           | Ice          | H2SO4*    | <2        |                       |              |
|                                    | Lot #                                                                       |                                          | Exp:          |           |              |           |           |                       |              |
| Metals (P-500ML)                   | x W-ICPMS                                                                   | x W-ICP                                  | x W-HARD      | x         | Ice          | x HNO3*   | X         | <2                    | 1            |
|                                    | Lot #                                                                       |                                          | Exp:          |           | 11/7/22      |           |           |                       | B            |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     | Field Filtered 0.45 µm Filter            |               |           | Ice          |           |           |                       |              |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |               |           |              |           |           |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          |               |           | Ice          |           |           |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          |               |           | Ice          |           |           |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |               |           | Ice          |           |           |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |               |           | Ice          |           |           |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                           |               |           | Formalin     |           |           |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |                                          |               |           | Ice          |           |           |                       |              |
| Microbiology (Contract Lab Bottle) | x E Coli                                                                    | F Coli                                   | x Enterococci | x         | Ice          |           |           | 1                     | B            |
|                                    | Contract Lab                                                                |                                          |               |           |              |           |           |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                   | PCR-BacR                                 | PCR-DG3       |           | Ice          |           |           |                       |              |
|                                    | PCR-GULL2                                                                   | PCR-GFD                                  |               |           |              |           |           |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                  | W-E8321-MS                               |               |           | Ice          |           |           |                       |              |
|                                    |                                                                             |                                          |               | W-PSNP-TQ |              |           |           |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |               | W-CT-CL-R | Ice          | MCAA Exp. | MCAA Lot# |                       |              |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |               |           |              |           |           |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                    | PKD-QN-BV                                |               |           | Ice          |           |           |                       |              |

modified for sample. by email  
 AB 6-20-22



|                                                                                                                                    |                                                       |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-2022-06-20-60                                                                                                                   | Collected By: Trey Fitzgerald, Paul Blair             |
| Customer: FDEP                                                                                                                     | Field Report Prepared by: Trey Fitzgerald, Paul Blair |
| Project ID: SMP                                                                                                                    | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: FB_06202022 | Comments:                                             |

Location:  
Location: FB

Matrix: W-FIELD-BLANK

(Check One)

☒ Grab☐ Composite

| Date and Time {EST}                | DO (mg/L)                                                                   | DO (%SAT)                                | Temp. ©                       | pH       | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm)   | Salinity (PPT) |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|----------|------------------|--------------|-----------------|-----------------------|----------------|
| 6/20/2022<br>1110                  |                                                                             |                                          |                               |          |                  |              |                 |                       |                |
| Parameter Suite                    | Parameter Methods                                                           |                                          |                               |          | Preservation     |              | pH Check        | # Bottles sent to Lab | Bottle Group   |
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |                               |          | Ice      H2SO4*  |              |                 | <2                    |                |
|                                    | Lot #                                                                       |                                          | Exp:                          |          |                  |              |                 |                       |                |
| Metals (P-500ML)                   | x W-ICPMS                                                                   | x W-ICP                                  | x W-HARD                      | x        | Ice              | x HNO3*      | X               | <2                    | 1              |
|                                    | Lot #                                                                       |                                          | Exp:                          |          | 11/7/22          |              |                 |                       | C              |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     |                                          | Field Filtered 0.45 µm Filter |          | Ice              |              |                 |                       |                |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |                               |          |                  |              |                 |                       |                |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          |                               |          | Ice              |              |                 |                       |                |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          |                               |          | Ice              |              |                 |                       |                |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-C / W-COLOR / W-SO4-IC / W- TDS |                                          |                               |          | Ice              |              |                 |                       |                |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |          | Ice              |              |                 |                       |                |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               | Formalin |                  |              |                 |                       |                |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |                                          |                               |          | Ice              |              |                 |                       |                |
| Microbiology (Contract Lab Bottle) | E Coli                                                                      | F Coli                                   | Enterococci                   |          | Ice              |              |                 |                       |                |
|                                    | Contract Lab                                                                |                                          |                               |          |                  |              |                 |                       |                |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                   | PCR-BacR                                 | PCR-DG3                       |          | Ice              |              |                 |                       |                |
|                                    | PCR-GULL2                                                                   | PCR-GFD                                  |                               |          |                  |              |                 |                       |                |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                  | W-E8321-MS                               |                               | Ice      |                  |              |                 |                       |                |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ                     |          | Ice              | MCAA Exp.    | MCAA Lot#       |                       |                |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) | W-CT-CL-R                     |          |                  |              |                 |                       |                |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |          |                  |              |                 |                       |                |
| Phytoplankton                      | DTY-QN-C                                                                    | PKD-QN-BV                                |                               | Ice      |                  |              |                 |                       |                |



|                                                                                                                                   |                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| RQ-2022-06-20-60                                                                                                                  | Collected By: Trey Fitzgerald, Paul Blair             |
| Customer: FDEP                                                                                                                    | Field Report Prepared by: Trey Fitzgerald, Paul Blair |
| Project ID: SMP                                                                                                                   | Sampling Agency: FDEP                                 |
| WIN ID/Field ID: <br>WIN ID/Field ID: G1TLHR0101 | Comments:                                             |

**Location:**  
**Location:** Waccasassa River @ Otter Creek

Matrix: ~~Fresh~~ **MARINE** (Check One) ☒ Grab ☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 6/20/2022 1125      | 4.64      | 60.8      | 28       | 7.16 | 0.3              | 0.9          | 2.2             | 7089                | 4.14           |

| Parameter Suite                    | Parameter Methods                                                           |                                          |                               |          | Preservation |           | pH Check  | # Bottles sent to Lab | Bottle Group |
|------------------------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|----------|--------------|-----------|-----------|-----------------------|--------------|
| Preserved Nutrients (P-500ML)      | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |                               |          | Ice          | H2SO4*    |           | <2                    |              |
|                                    | Lot #                                                                       |                                          | Exp:                          |          |              |           |           |                       |              |
| Metals (P-500ML)                   | x W-ICPMS                                                                   | x W-ICP                                  | x W-HARD                      | x Ice    | x HNO3*      |           | X         | <2                    | 1 B          |
|                                    | Lot #                                                                       |                                          | Exp:                          |          | 11/7/22      |           |           |                       |              |
| Filtered Nutrients (P125ML)        | W-PO4-F                                                                     |                                          | Field Filtered 0.45 µm Filter |          | Ice          |           |           |                       |              |
|                                    | Filter Lot #                                                                | Syringe Lot #                            |                               |          |              |           |           |                       |              |
| BOD (BP-1L)                        | OV-BODUNIN                                                                  |                                          |                               |          | Ice          |           |           |                       |              |
| Chlorophyll (BP-1L)                | CHLSUITE-W                                                                  |                                          |                               |          | Ice          |           |           |                       |              |
| Physical/Aggregate (Fresh) (P-1L)  | Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-IC / W-COLOR / W-SO4-IC / W-TDS |                                          |                               |          | Ice          |           |           |                       |              |
| Physical/Aggregate (Marine) (P-1L) | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |          | Ice          |           |           |                       |              |
| Macroinvertebrates (PJ-2L)         | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               | Formalin |              |           |           |                       |              |
| Periphyton (PT-50ML)               | ALGAE-ID                                                                    |                                          |                               |          | Ice          |           |           |                       |              |
| Microbiology (Contract Lab Bottle) | X E Coli                                                                    | F Coli                                   | X Enterococci                 | x Ice    |              |           |           | 1                     | B            |
|                                    | Contract Lab                                                                |                                          |                               |          |              |           |           |                       |              |
| Molecular (QPCR-P-500ML)           | PCR-HF183                                                                   |                                          | PCR-BacR                      | PCR-DG3  | Ice          |           |           |                       |              |
|                                    | PCR-GULL2                                                                   |                                          | PCR-GFD                       |          |              |           |           |                       |              |
| Tracers (BG-500ML)                 | W-E8321-DI                                                                  |                                          | W-E8321-MS                    |          | Ice          |           |           |                       |              |
| Pesticides (BG-500ML) (BG-1L)      | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ                     |          | Ice          | MCAA Exp. | MCAA Lot# |                       |              |
|                                    | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) | W-CT-CL-R                     |          |              |           |           |                       |              |
|                                    | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |          |              |           |           |                       |              |
| Phytoplankton                      | DTY-QN-C                                                                    |                                          | PKD-QN-BV                     |          | Ice          |           |           |                       |              |

modified for samples by email  
  
 G-d-c-dd





RQ-2022-06-20-60

Collected By: Trey Fitzgerald, Paul Blair

Customer: FDEP

Field Report Prepared by: Trey Fitzgerald, Paul Blair

Project ID: SMP

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G1TLHR0167

Comments:

Location:

Location: Wekiva Spring

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

| Date and Time {EST} | DO (mg/L) | DO (%SAT) | Temp. °C | pH   | Sample Depth (m) | Secchi Depth | Total Depth (m) | Sp COND (µmhos /cm) | Salinity (PPT) |
|---------------------|-----------|-----------|----------|------|------------------|--------------|-----------------|---------------------|----------------|
| 6/20/2022 1200      | 4.27      | 50        | 22.7     | 7.88 | 0.3              | 1.5          | 1.5             | 215.1               | 0.1            |

| Parameter Suite                    | Parameter Methods |                                                                             |                                          |                               | Preservation |         | pH Check | # Bottles sent to Lab | Bottle Group |    |                |                |
|------------------------------------|-------------------|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------|--------------|---------|----------|-----------------------|--------------|----|----------------|----------------|
| Preserved Nutrients (P-500ML)      | X                 | W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                 |                                          |                               | X            | Ice     | X        | H2SO4*                | X            | <2 | 1              | <del>B</del> A |
|                                    |                   | Lot #                                                                       |                                          | 1308030                       | Exp:         | 12/1/22 |          |                       |              |    |                |                |
| Metals (P-500ML)                   |                   | W-ICPMS                                                                     |                                          | W-ICP                         | W-HARD       |         | Ice      |                       | HNO3*        |    | <2             |                |
|                                    |                   | Lot #                                                                       |                                          |                               | Exp:         |         |          |                       |              |    |                |                |
| Filtered Nutrients (P125ML)        |                   | W-PO4-F                                                                     |                                          | Field Filtered 0.45 µm Filter |              |         | Ice      |                       |              |    |                |                |
|                                    |                   | Filter Lot #                                                                |                                          | Syringe Lot #                 |              |         |          |                       |              |    |                |                |
| BOD (BP-1L)                        |                   | OV-BODUNIN                                                                  |                                          |                               |              |         | Ice      |                       |              |    |                |                |
| Chlorophyll (BP-1L)                | X                 | CHLSUITE-W                                                                  |                                          |                               |              | X       | Ice      |                       |              | 1  | <del>B</del> A |                |
| Physical/Aggregate (Fresh) (P-1L)  | X                 | Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-C / W- TDS |                                          |                               |              | X       | Ice      |                       |              | 1  | <del>B</del> A |                |
| Physical/Aggregate (Marine) (P-1L) |                   | Alkalinity / W-F / W-TSS / TURBIDITY                                        |                                          |                               |              |         | Ice      |                       |              |    |                |                |
| Macroinvertebrates (PJ-2L)         |                   | MI-FW-QLDC                                                                  | Formalin Lot #                           |                               |              |         | Formalin |                       |              |    |                |                |
| Periphyton (PT-50ML)               |                   | ALGAE-ID                                                                    |                                          |                               |              |         | Ice      |                       |              |    |                |                |
| Microbiology (Contract Lab Bottle) |                   | E Coli                                                                      | F Coli                                   | Enterococci                   |              |         | Ice      |                       |              |    |                |                |
|                                    |                   | Contract Lab                                                                |                                          |                               |              |         |          |                       |              |    |                |                |
| Molecular (QPCR-P-500ML)           |                   | PCR-HF183                                                                   | PCR-BacR                                 | PCR-DG3                       |              |         | Ice      |                       |              |    |                |                |
|                                    |                   | PCR-GULL2                                                                   | PCR-GFD                                  |                               |              |         |          |                       |              |    |                |                |
| Tracers (BG-500ML)                 |                   | W-E8321-DI                                                                  | W-E8321-MS                               |                               |              |         | Ice      |                       |              |    |                |                |
|                                    |                   | W-E8321-DI                                                                  | W-E8321-MS                               | W-PSNP-TQ                     |              |         |          | MCAA Exp.             | MCAA Lot#    |    |                |                |
| Pesticides (BG-500ML) (BG-1L)      |                   | W-PCL-TQ-R                                                                  | W-CARB-AA (5 ml of MCAA Buffer Solution) |                               | W-CT-CL-R    |         | Ice      |                       |              |    |                |                |
|                                    |                   | W-TR-SQ-R                                                                   | W-PCB-TQ-R                               |                               |              |         |          |                       |              |    |                |                |
| Phytoplankton                      |                   | DTY-QN-C                                                                    | PKD-QN-BV                                |                               |              |         | Ice      |                       |              |    |                |                |



Date of Request: 02-JUN-2022  
 Created By: GREEN\_C On: 02-JUN-2022  
 Modified By: JASROTIA\_P On: 07-JUN-2022  
 Customer: TLH-ROC  
 Project: SMP  
 Division:  
 District: Not Applicable  
 Event Description: Run1 Wekiva Spring, Waccasassa, Metals Blank

**Send Coolers To:**

Phone: 850-245-8413  
 2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Chris Green  
 Cooler Ship EMail: Terry.Green@FloridaDEP.gov

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: AYRES\_J On: 07-JUN-2022  
 Biology Request Reviewed By: JASROTIA\_P On: 07-JUN-2022  
 Sampling Kit Required: YES Ship on: 15-JUN-2022  
 Sampling Kit Shipped: YES On: 13-JUN-2022  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: YES  
 Date to Receive Samples: 20-JUN-2022  
 Logged In By: SHAIK\_A On: 20-JUN-2022

**Send Final Report To:**

2600 Blair Stone Rd  
  
 Tallahassee, FL 32399  
 Attn: Chris Green  
 Report Notification EMail: Terry.Green@FloridaDEP.gov

Comments: Bottle group A Wekiva Spring  
 Bottle group B 2 Waccasassa sites  
 Bottle group C Marine Metals Blank

**Bottle Group A (Water) With 1 Samples:**

|                   |                      |                                                                                                         |
|-------------------|----------------------|---------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 1 | Preserved With: ICE                                                                                     |
| ALKALINITY        | Template: DEFAULT    | (SM 2320 B-2011) 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    | (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)                      |
| *Color (true)     |                      |                                                                                                         |
| W-F               | Template: DEFAULT    | (SM 4500-F- C-2011) 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-2011) Total Dissolved Solids in aqueous matrices                                             |
| W-TSS             | Template: DEFAULT    | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample         |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| 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 |

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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-2011) Nonpurgeable Organic Carbon in aqueous matrices    |

**Bottle Group B (Water) With 2 Samples:**

|                             |                      |                                                                                                            |
|-----------------------------|----------------------|------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML-WO-THI | Number of Bottles: 2 | Preserved With: ICE                                                                                        |
| ECOLI-18QT                  | Template: DEFAULT    | (SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems |
| ENT-24-QT                   | Template: DEFAULT    | (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems               |
| Bottle Type: P-500ML        | Number of Bottles: 2 | Preserved With: HNO3                                                                                       |

**Bottle Group B (Water) With 2 Samples:**

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: HNO3  
 W-ICP Template: SMP-MARINE (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  
 Strontium  
 Tin  
 Titanium  
 Vanadium  
 Zinc

W-ICPMS Template: SMP-MARINE (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

\*Strontium  
 Aluminum  
 Antimony  
 Arsenic  
 Beryllium  
 Cadmium  
 Chromium  
 Cobalt  
 Copper  
 Lead  
 Manganese  
 Molybdenum  
 Nickel  
 Selenium  
 Silver  
 Thallium

**Bottle Group C (Water) With 1 Samples:**

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3  
 W-ICP Template: SMP-MARINE (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  
 Strontium  
 Tin  
 Titanium  
 Vanadium  
 Zinc

W-ICPMS Template: SMP-MARINE (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

\*Strontium  
 Aluminum  
 Antimony  
 Arsenic  
 Beryllium  
 Cadmium  
 Chromium  
 Cobalt  
 Copper  
 Lead  
 Manganese  
 Molybdenum  
 Nickel  
 Selenium  
 Silver  
 Thallium