

# Log-in Checklist

RQ- 2019-05-13-36

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 5/15/19 @ 10:20

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking #<br>Damaged waybills only |
|---------------------|----------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------|
|                     |                |                                        |          |                                       | Present?      |    | *Intact? |    |                                     |
|                     | YES            | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                     |
| -0.8                |                |                                        |          | 10                                    |               | ✓  |          |    | 7751 8779 3180                      |
| 0.8                 |                |                                        |          | 12                                    |               | ✓  |          |    | 7751 8779 3170                      |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |
|                     |                |                                        |          |                                       |               |    |          |    |                                     |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above standard temperature without customer notification/confirmation.**

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

\*\*Chain of Custody/ Field Sheet(s) Included? Yes ✓ No       

Micro-Biology Overflow 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 REQUIRED? (Blue dot on container) Yes        No ✓ Init: KK

| 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-E8321-DI, -MS, -21                                                                                 |     |    | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |
| W-PFAS-MS                                                                                            |     |    |            |     |    |

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

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

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

Coolers Unpacked/Checked by: KK Date: 5/15/19

NCRs (Y/N)? N

Event ID: Ingram X2 / Felter / Lotta / Panther  
CEN-DIST-2019-05-15-02 (SMP)

NCR #       

Page 1 of 2, 03/25 Date Received: 15-MAY-2019 10:20

# 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 |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## Additional Comments:

|                            |                      |
|----------------------------|----------------------|
| Infrared Thermometer ID:   |                      |
| pH Paper 0.0 – 3.0 Lot #   | 220416A EXP:7/30/20  |
| pH Paper 0 – 13 Lot #      | 222516 EXP:9/15/2019 |
| Chlorine Test Strips Lot # | 091417V EXP:9/2021   |

## ENCORE SAMPLES

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

Were Encore samples received? Yes \_\_\_\_\_ No X

Date and time placed in freezer \_\_\_\_\_

Were all samples placed in freezer within 48 hours of collection? Yes \_\_\_\_\_ If No \_\_\_\_\_

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: \_\_\_\_\_

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Ingram X2 / Felter / Lotta / Panther X3

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

|              |                                       |                                                                                    |                                                                           |                                                           |                                                             |                                                                            |                                 |
|--------------|---------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------|
| Location     | WIN ID / Field ID →                   |   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 5/14/19 Time 1141 | Eastern<br>Central                                          | Composite end<br>Date Time                                                 | Bottle Group(s)<br>(See pg 2)   |
| Field ID     | Panther Lake @ Center of East Lobe    | G4CE0165                                                                           |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>5.11                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)   |
| WIN/ST       |                                       |                                                                                    |                                                                           | Temp (C) 27.3                                             | pH 6.78                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 226.6 |
| Latitude     |                                       |                                                                                    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments                                                    |                                                                            |                                 |
| Location     | WIN ID / Field ID →                   |   | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 5/14/19 Time 1208 | Eastern<br>Central                                          | Composite end<br>Date Time                                                 | Bottle Group(s)                 |
| Field ID     | Panther Lake @ Center of West Lobe    | G4CE0164                                                                           |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>7.11                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)   |
| WIN/ST       |                                       |                                                                                    |                                                                           | Temp (C) 27.6                                             | pH 7.17                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 213.3 |
| Latitude     |                                       |                                                                                    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments                                                    |                                                                            |                                 |
| Location     | WIN ID / Field ID →                   |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 5/14/19 Time 1218 | Eastern<br>Central                                          | Composite end<br>Date Time                                                 | Bottle Group(s)                 |
| Field ID     | Panther Lake @ center of central lobe | G4CE0156                                                                           |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen<br>7.68                                        | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)   |
| WIN/ST       |                                       |                                                                                    |                                                                           | Temp (C) 28.0                                             | pH 7.40                                                     | Sample Depth 0.3                                                           | Sp. Conductance (umho/cm) 209.9 |
| Latitude     |                                       |                                                                                    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity (ppt)                                            | Comments                                                    |                                                                            |                                 |
| Location     |                                       |                                                                                    | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              | Eastern<br>Central                                          | Composite end<br>Date Time                                                 | Bottle Group(s)                 |
| Field ID     |                                       |                                                                                    |                                                                           | Matrix (type, e.g., Salt, Fresh, etc)                     | Diss. Oxygen                                                | <input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat            | Total Res. Chlorine<br>(mg/L)   |
| WIN/STORET # |                                       |                                                                                    |                                                                           | Temp (C)                                                  | pH                                                          | Sample Depth                                                               | Sp. Conductance (umho/cm)       |
| Latitude     |                                       |                                                                                    | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Longitude                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity (ppt)                                                             | Comments                        |

|                  |              |                 |                            |              |                 |
|------------------|--------------|-----------------|----------------------------|--------------|-----------------|
| Relinquished By: | Date/Time    | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time       |
| MKL              | 5/14/19 1600 | FedEx           | 2                          | KK           | 5.18.19 / 10:20 |

|          |                                                                                    |         |                 |                                            |                                     |                |
|----------|------------------------------------------------------------------------------------|---------|-----------------|--------------------------------------------|-------------------------------------|----------------|
| Group: A | Bottle Type:                                                                       | P-1L    | # of Bottles: 2 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | <del>X</del> 2 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |         |                 |                                            |                                     |                |
| Group: A | Bottle Type:                                                                       | BP-1L   | # of Bottles: 2 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | <del>X</del> 2 |
|          | CHLSUITE-W                                                                         |         |                 |                                            |                                     |                |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 2 | Preservative: HNO3                         | Enter Number of Bottles Sent to Lab | <del>X</del> 2 |
|          | W-ICP<br>W-ICPMS                                                                   |         |                 |                                            |                                     |                |
|          |                                                                                    |         |                 | HNO3<br>LOT# NA8197080<br>EXP: 07/16/2019  |                                     |                |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 2 | Preservative: ICE And H2SO4                | Enter Number of Bottles Sent to Lab | <del>X</del> 2 |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |         |                 |                                            |                                     |                |
|          |                                                                                    |         |                 | H2SO4<br>LOT# SA9010030<br>EXP: 04/10/2020 |                                     |                |
| Group: A | Bottle Type:                                                                       | P-125ML | # of Bottles: 2 | Preservative: FILTER-ICE                   | Enter Number of Bottles Sent to Lab | <del>X</del> 2 |
|          | W-PO4-F                                                                            |         |                 |                                            |                                     |                |
| Group: B | Bottle Type:                                                                       | P-1L    | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | <del>7</del> 3 |
|          | ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS |         |                 |                                            |                                     |                |
| Group: B | Bottle Type:                                                                       | BP-1L   | # of Bottles: 5 | Preservative: ICE                          | Enter Number of Bottles Sent to Lab | <del>7</del> 3 |
|          | CHLSUITE-W                                                                         |         |                 |                                            |                                     |                |

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|          |              |         |                 |                             |                                     |                |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|----------------|
| Group: B | Bottle Type: | P-500ML | # of Bottles: 5 | Preservative: ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <del>2</del> 3 |
|----------|--------------|---------|-----------------|-----------------------------|-------------------------------------|----------------|

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

H2SO4  
LOT# SA9010030  
EXP: 04/10/2020

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|          |              |         |                 |                          |                                     |                |
|----------|--------------|---------|-----------------|--------------------------|-------------------------------------|----------------|
| Group: B | Bottle Type: | P-125ML | # of Bottles: 5 | Preservative: FILTER-ICE | Enter Number of Bottles Sent to Lab | <del>2</del> 3 |
|----------|--------------|---------|-----------------|--------------------------|-------------------------------------|----------------|

W-PO4-F



# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

Ingram X2 / Felter / Lotta / Panther X3

last revised Jan 25, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

|                                                     |                                                                           |                                                           |                                                                                 |                                                                            |                                   |
|-----------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------|
| Location                                            | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 5/14/19 Time 1101 | Eastern<br>Central                                                              | Composite end<br>Date Time                                                 | Bottle Group(s)<br>(See pg 2)     |
| Field ID<br>WIN ID / Field ID →<br>Lake Ingram East | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br>5.86                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)     |
| WIN/STO                                             | Temp<br>(C) 27.6                                                          | pH 6.63                                                   | Sample Depth 0.3                                                                | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 65.0 |
| Latitude                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                         | Comments                                                                        |                                                                            |                                   |
| Location                                            | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 5/14/19 Time 1108 | Eastern<br>Central                                                              | Composite end<br>Date Time                                                 | Bottle Group(s)                   |
| Field ID<br>WIN ID / Field ID →<br>Lake Ingram West | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br>5.56                                                            | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)     |
| WIN/STO                                             | Temp<br>(C) 27.5                                                          | pH 6.56                                                   | Sample Depth 0.3                                                                | <input type="checkbox"/> ft<br><input checked="" type="checkbox"/> m       | Sp. Conductance<br>(umho/cm) 65.1 |
| Latitude                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Salinity<br>(ppt)                                         | Comments                                                                        |                                                                            |                                   |
| Location                                            | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              | Eastern<br>Central                                                              | Composite end<br>Date Time                                                 | Bottle Group(s)                   |
| Field ID                                            | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)                                              |                                   |
| WIN/STORET #                                        | Temp<br>(C)                                                               | pH                                                        | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)                                               |                                   |
| Latitude                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Longitude                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                     | Salinity<br>(ppt)                                                          |                                   |
| Location                                            | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab            | Collection (comp begin or grab)<br>Date Time              | Eastern<br>Central                                                              | Composite end<br>Date Time                                                 | Bottle Group(s)                   |
| Field ID                                            | Matrix (type, e.g., Salt, Fresh, etc)                                     |                                                           | Diss. Oxygen<br><input type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L)                                              |                                   |
| WIN/STORET #                                        | Temp<br>(C)                                                               | pH                                                        | Sample Depth<br><input type="checkbox"/> ft<br><input type="checkbox"/> m       | Sp. Conductance<br>(umho/cm)                                               |                                   |
| Latitude                                            | <input type="checkbox"/> dd<br><input type="checkbox"/> dms               | Longitude                                                 | <input type="checkbox"/> dd<br><input type="checkbox"/> dms                     | Salinity<br>(ppt)                                                          |                                   |

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

MKL

5/14/19 1600

FedEx

2

MKL

5-15-19 / 10:20

|          |              |         |                 |               |               |                                     |                |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|----------------|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <del>2</del> 2 |
|          | ALKALINITY   |         |                 |               |               |                                     |                |
|          | TURBIDITY    |         |                 |               |               |                                     |                |
|          | W-CL-IC      |         |                 |               |               |                                     |                |
|          | W-COLOR      |         |                 |               |               |                                     |                |
|          | W-F          |         |                 |               |               |                                     |                |
|          | W-SO4-IC     |         |                 |               |               |                                     |                |
|          | W-TDS        |         |                 |               |               |                                     |                |
|          | W-TSS        |         |                 |               |               |                                     |                |
| Group: A | Bottle Type: | BP-1L   | # of Bottles: 2 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <del>2</del> 2 |
|          | CHLSUITE-W   |         |                 |               |               |                                     |                |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 2 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | <del>2</del> 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 | <del>2</del> 2 |
|          | W-NH3        |         |                 |               |               |                                     |                |
|          | W-NO2NO3     |         |                 |               |               |                                     |                |
|          | W-S-A-TP     |         |                 |               |               |                                     |                |
|          | W-TKN        |         |                 |               |               |                                     |                |
|          | W-TOC        |         |                 |               |               |                                     |                |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 2 | Preservative: | FILTER-ICE    | Enter Number of Bottles Sent to Lab | <del>2</del> 2 |
|          | W-PO4-F      |         |                 |               |               |                                     |                |
| Group: B | Bottle Type: | P-1L    | # of Bottles: 5 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <del>2</del> 3 |
|          | ALKALINITY   |         |                 |               |               |                                     |                |
|          | TURBIDITY    |         |                 |               |               |                                     |                |
|          | W-CL-IC      |         |                 |               |               |                                     |                |
|          | W-COLOR      |         |                 |               |               |                                     |                |
|          | W-F          |         |                 |               |               |                                     |                |
|          | W-SO4-IC     |         |                 |               |               |                                     |                |
|          | W-TDS        |         |                 |               |               |                                     |                |
|          | W-TSS        |         |                 |               |               |                                     |                |
| Group: B | Bottle Type: | BP-1L   | # of Bottles: 5 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <del>2</del> 3 |
|          | CHLSUITE-W   |         |                 |               |               |                                     |                |

Date of Request: 24-APR-2019  
 Created By: LINGER\_M On: 24-APR-2019  
 Modified By: JASROTIA\_P On: 25-APR-2019  
 Customer: CEN-DIST  
 Project: SMP  
 Division:  
 District: Central District  
 Sampling Event: Ingram X2 / Felter / Lotta / Panther X3

**Send Coolers To:**

Phone: 407-894-4180  
 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: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 25-APR-2019  
 Biology Request Reviewed By: JASROTIA\_P On: 25-APR-2019  
 Sampling Kit Required: YES Ship on: 07-MAY-2019  
 Sampling Kit Shipped: YES On: 06-MAY-2019  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 13-MAY-2019  
 Received By: REYNOLDS\_T On: 14-MAY-2019

**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: Ingram x2  
 B: Felter / Lotta / Panther X3

**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 <sub>3</sub> /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 <sub>4</sub> -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 using a maximum of 250 mL of sample                                                  |
| 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                                   |
| Bottle Type: P-500ML  | Number of Bottles: 2 | Preserved With: HNO <sub>3</sub>                                                                                                               |
| 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 |
| Barium                |                      |                                                                                                                                                |
| Calcium               |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |
| Zinc                  |                      |                                                                                                                                                |
| W-ICPMS               | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| *Boron                |                      |                                                                                                                                                |
| Aluminum              |                      |                                                                                                                                                |



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

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

Antimony  
Arsenic  
Cadmium  
Chromium  
Copper  
Lead  
Nickel  
Selenium  
Silver  
Thallium

|                      |                      |                                                                     |
|----------------------|----------------------|---------------------------------------------------------------------|
| 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 Group B (Water) With 5 Samples:**

|                   |                      |                                                                                                      |
|-------------------|----------------------|------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L | Number of Bottles: 5 | 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 using a maximum of 250 mL of sample        |

|                    |                      |                                                                                                              |
|--------------------|----------------------|--------------------------------------------------------------------------------------------------------------|
| Bottle Type: BP-1L | Number of Bottles: 5 | 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: 5 | 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: 5 | 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 |

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