

**From:** [Watts, John](#)  
**To:** [Bowden, Magan](#)  
**Cc:** [Wiwi, Robert](#); [Musson, Curtis](#); [White, Ramsey](#)  
**Subject:** RE: Sample Collection Time Error  
**Date:** Thursday, June 22, 2017 3:51:00 PM

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Magan would you repair these sample times?

Looks like you have already performed login authorization, some data already certified.

Let me know when done.

WQAP-2017-06-14-06

G2WA0007\_06142017 was collected at 0944

G2WA0007\_06142017D was collected at 0953

John Watts  
Florida DEP Labs  
Scientific Support Section  
Voice: 850-245-8077  
Direct: 58077

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**From:** Musson, Curtis  
**Sent:** Thursday, June 22, 2017 3:34 PM  
**To:** White, Ramsey <Ramsey.White@dep.state.fl.us>  
**Cc:** Watts, John <John.Watts@dep.state.fl.us>; Wiwi, Robert <Robert.Wiwi@dep.state.fl.us>  
**Subject:** Sample Collection Time Error

Ramsey,

I screwed up big time and was hoping you could fix the sample collection time for two sample for me. The times for the sample and the DUP were swapped.

Field ID G2WA0007\_06142017 was collected at 0944, not 0953  
Field ID G2WA0007\_06142017D was collected at 0953, not 0944

Event: WQAP-2017-06-12-67  
RQ-2017-06-12-67  
Date: 06-14/217  
Location: Merritt's Mill Pond 600 meters downstream of Jackson Blue Spring

Thanks,

Curtis Musson

Environmental Consultant  
Division of Environmental Assessment and Restoration  
Florida Department of Environmental Protection  
*2600 Blairstone Rd, MS#3560*  
*Tallahassee, FL 32399*  
[Curtis.musson@dep.state.fl.us](mailto:Curtis.musson@dep.state.fl.us)  
(850) 245-8453

| Request Number: 2017-06-12-67                                                                                                                                                                                                                                                                        |  | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION<br>Central Lab Sample Submittal Form                                                                   |  |                                                                                                                                             |  | Page <u>2</u> of <u>43</u>                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|--|
| Merritt's Mill Pond<br>Customer: WQ-ASSESS<br>Project ID: BMAP                                                                                                                                                                                                                                       |  | Requester: Curtis Musson                                                                                                                              |  | Field Report Prepared By: _____<br>Sampling Agency: FDEP                                                                                    |  |                                                           |  |
| Collected By: _____                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                       |  |                                                                                                                                             |  |                                                           |  |
| <b>QC - DUP</b><br>Merritt's Mill Pond<br>600 meters<br>downstream of<br>Jackson Blue Spring<br><br>Field ID →<br>Merritt's Mill Pond<br>600 meters<br>downstream of<br>Jackson Blue<br>Spring<br>June 14, 2017<br> |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date <u>6-14-17</u> Time <u>0953</u>  |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date _____ Time _____ |  | Bottle<br>Group(s)<br><u>A</u>                            |  |
|                                                                                                                                                                                                                                                                                                      |  | Matrix (Salt, Fresh) <u>Fresh</u><br>Diss. Oxygen (mg/L) <u>7.90</u>                                                                                  |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Temp (C) <u>20.67</u><br>pH <u>7.66</u>                                                                                                               |  | Sample Depts (m) <u>0.3</u><br>Sp. Conductance (umho/cm) <u>276</u>                                                                         |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Salinity (ppt) <u>0.13</u><br>Comments <u>DUP</u>                                                                                                     |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) <u>30.787</u><br>Longitude (Decimal Degrees) <u>-85.1459</u>                                                               |  |                                                                                                                                             |  |                                                           |  |
| <b>QC Blank DI Water</b><br><br>Field ID →<br>QC<br>BLANK<br>DI Water<br>June 14, 2017<br>                                                                                                                         |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date <u>6-14-17</u> Time <u>10:25</u> |  | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date _____ Time _____ |  | Bottle<br>Group(s)<br><u>A</u>                            |  |
|                                                                                                                                                                                                                                                                                                      |  | Matrix (Salt, Fresh) <u>DI Water</u><br>Diss. Oxygen (mg/L) _____                                                                                     |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Temp (C) _____<br>pH _____                                                                                                                            |  | Sample Depts (m) _____<br>Sp. Conductance (umho/cm) _____                                                                                   |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Salinity (ppt) _____<br>Comments <u>QC Blank DI Water</u>                                                                                             |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) _____<br>Longitude (Decimal Degrees) _____                                                                                 |  |                                                                                                                                             |  |                                                           |  |
| <b>Location</b><br><br><b>Field ID</b><br><br><b>STORET #</b>                                                                                                                                                                                                                                        |  | <input type="checkbox"/> Comp<br><input type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date _____ Time _____                            |  | <input type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date _____ Time _____            |  | Bottle<br>Group(s)                                        |  |
|                                                                                                                                                                                                                                                                                                      |  | Matrix (Salt, Fresh) _____<br>Diss. Oxygen (mg/L) _____                                                                                               |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Temp (C) _____<br>pH _____                                                                                                                            |  | Sample Depts (m) _____<br>Sp. Conductance (umho/cm) _____                                                                                   |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Salinity (ppt) _____<br>Comments _____                                                                                                                |  |                                                                                                                                             |  |                                                           |  |
|                                                                                                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) _____<br>Longitude (Decimal Degrees) _____                                                                                 |  |                                                                                                                                             |  |                                                           |  |
| Relinquished By: _____                                                                                                                                                                                                                                                                               |  | Date/Time _____                                                                                                                                       |  | Number of Coolers _____                                                                                                                     |  | Received By: <u>J.O.</u><br>Date/Time <u>6/14/17 3:30</u> |  |

| FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION<br>Central Lab Sample Submittal Form                                                                                                                                  |  |                                                |  |                                                                                                                                                       |                                                                           |                                                                                                                                                   |  |                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|
| Request Number: 2017-06-12-67                                                                                                                                                                                        |  | Requester: Curtis Musson                       |  |                                                                                                                                                       | Field Report Prepared By: <u>Curtis Musson</u> Page <u>1</u> of <u>43</u> |                                                                                                                                                   |  |                                      |  |
| Customer: WQ-ASSESS                                                                                                                                                                                                  |  | Collected By: <u>Curtis Musson, Ben Rans</u>   |  |                                                                                                                                                       | Sampling Agency: FDEP                                                     |                                                                                                                                                   |  |                                      |  |
| Project ID: BMAP                                                                                                                                                                                                     |  |                                                |  |                                                                                                                                                       |                                                                           |                                                                                                                                                   |  |                                      |  |
| <b>Location:</b><br>Merritt's Mill Pond<br>600 meters<br>Downstream of<br>Jackson Blue Spring<br><b>Field ID:</b> →<br>Merritt's Mill<br>Pond 600 meters<br>downstream of<br>Jackson Blue<br>Spring<br>June 14, 2017 |  | <b>STORET</b> ↓<br><br>G1WA0007                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date <u>6-14-17</u> Time <u>0944</u>  |                                                                           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date <u>/</u> Time <u>/</u> |  | Bottle<br>Group(s)<br><u>A</u>       |  |
|                                                                                                                                                                                                                      |  | Matrix ( <del>Salt</del> , Fresh) <u>Fresh</u> |  | Diss. Oxygen (mg/L) <u>7.90</u>                                                                                                                       |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Temp (C) <u>20.67</u>                          |  | pH <u>7.66</u>                                                                                                                                        |                                                                           | Sample Depts (m) <u>0.3</u>                                                                                                                       |  | Sp. Conductance (umho/cm) <u>276</u> |  |
|                                                                                                                                                                                                                      |  | Salinity (ppt) <u>0.13</u>                     |  | Comments                                                                                                                                              |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) <u>30.787</u>       |  |                                                                                                                                                       |                                                                           | Longitude (Decimal Degrees) <u>-85.1459</u>                                                                                                       |  |                                      |  |
| <b>Location:</b><br>Merritt's Mill Pond<br>mid under<br>powerlines<br><b>Field ID:</b> →<br>Merritt's Mill<br>Pond mid<br>under powerlines<br>June 14, 2017                                                          |  | <b>STORET</b> ↓<br><br>G1WA0008                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date <u>6-14-17</u> Time <u>10:26</u> |                                                                           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date <u>/</u> Time <u>/</u> |  | Bottle<br>Group(s)<br><u>A</u>       |  |
|                                                                                                                                                                                                                      |  | Matrix ( <del>Salt</del> , Fresh) <u>Fresh</u> |  | Diss. Oxygen (mg/L) <u>9.17</u>                                                                                                                       |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Temp (C) <u>23.91</u>                          |  | pH <u>7.75</u>                                                                                                                                        |                                                                           | Sample Depts (m) <u>0.3</u>                                                                                                                       |  | Sp. Conductance (umho/cm) <u>271</u> |  |
|                                                                                                                                                                                                                      |  | Salinity (ppt) <u>0.13</u>                     |  | Comments                                                                                                                                              |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) <u>30.7698</u>      |  |                                                                                                                                                       |                                                                           | Longitude (Decimal Degrees) <u>-85.1731</u>                                                                                                       |  |                                      |  |
| <b>Location:</b><br>Merritt's Mill Pond<br>500 meters upstream<br>of dam<br><b>Field ID:</b> →<br>Merritt's Mill Pond<br>500 meters<br>upstream of dam<br>June 14, 2017                                              |  | <b>STORET</b> →<br><br>G2WA0009                |  | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab<br>Collection (comp begin or grab)<br>Date <u>6-14-17</u> Time <u>10:55</u> |                                                                           | <input checked="" type="checkbox"/> Eastern<br><input type="checkbox"/> Central<br>Collection (comp begin or grab)<br>Date <u>/</u> Time <u>/</u> |  | Bottle<br>Group(s)<br><u>A</u>       |  |
|                                                                                                                                                                                                                      |  | Matrix ( <del>Salt</del> , Fresh) <u>Fresh</u> |  | Diss. Oxygen (mg/L) <u>9.06</u>                                                                                                                       |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Temp (C) <u>26.19</u>                          |  | pH <u>7.71</u>                                                                                                                                        |                                                                           | Sample Depts (m) <u>0.3</u>                                                                                                                       |  | Sp. Conductance (umho/cm) <u>256</u> |  |
|                                                                                                                                                                                                                      |  | Salinity (ppt) <u>0.12</u>                     |  | Comments                                                                                                                                              |                                                                           |                                                                                                                                                   |  |                                      |  |
|                                                                                                                                                                                                                      |  | Latitude (Decimal Degrees) <u>30.755</u>       |  |                                                                                                                                                       |                                                                           | Longitude (Decimal Degrees) <u>-85.1881</u>                                                                                                       |  |                                      |  |
| Relinquished By: <u>Curtis Musson</u>                                                                                                                                                                                |  | Date/Time: <u>6-14-17 15:27</u>                |  | Number of Coolers: <u>2</u>                                                                                                                           |                                                                           | Received By: <u>[Signature]</u>                                                                                                                   |  | Date/Time: <u>6/14/17 3:30</u>       |  |

|          |                                                                                    |         |                 |               |               |                                     |          |
|----------|------------------------------------------------------------------------------------|---------|-----------------|---------------|---------------|-------------------------------------|----------|
| Group: A | Bottle Type:                                                                       | P-1L    | # of Bottles: 5 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>5</u> |
|          | 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: 5 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>5</u> |
|          | CHLSUITE-W                                                                         |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 5 | Preservative: | HNO3          | Enter Number of Bottles Sent to Lab | <u>5</u> |
|          | W-ICP<br>W-ICPMS                                                                   |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-500ML | # of Bottles: 5 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab | <u>5</u> |
|          | W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    |         |                 |               |               |                                     |          |
| Group: A | Bottle Type:                                                                       | P-125ML | # of Bottles: 5 | Preservative: | ICE-FLTR      | Enter Number of Bottles Sent to Lab | <u>5</u> |
|          | W-PO4-F                                                                            |         |                 |               |               |                                     |          |
| Group: B | Bottle Type:                                                                       | PT-50ML | # of Bottles: 1 | Preservative: | ICE           | Enter Number of Bottles Sent to Lab | <u>0</u> |
|          | ALGAL_ID                                                                           |         |                 |               |               |                                     |          |

Merrits Mill Pond BMAP

## Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Curtis Musson

Field Report Prepared By: \_\_\_\_\_

Project ID: BMAP

Collected By: \_\_\_\_\_

Sampling Agency: \_\_\_\_\_

|                                                                         |                                                                          |                                                                |                                                          |              |                                                                 |                                                           |                              |                                  |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|--------------|-----------------------------------------------------------------|-----------------------------------------------------------|------------------------------|----------------------------------|
| 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<br>Group(s)<br>(See pg 2) |
| 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)                             |                              |                                  |
| STORET #                                                                |                                                                          | Temp<br>(C)                                                    |                                                          | pH           | Sample<br>Depth                                                 | <input type="checkbox"/> ft<br><input type="checkbox"/> m | Sp. Conductance<br>(umho/cm) |                                  |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><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<br>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)                             |                              |                    |
| STORET #                                                                |                                                                          | Temp<br>(C)                                                    |                                                          | pH           | Sample<br>Depth                                                 | <input type="checkbox"/> ft<br><input type="checkbox"/> m | Sp. Conductance<br>(umho/cm) |                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><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<br>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)                             |                              |                    |
| STORET #                                                                |                                                                          | Temp<br>(C)                                                    |                                                          | pH           | Sample<br>Depth                                                 | <input type="checkbox"/> ft<br><input type="checkbox"/> m | Sp. Conductance<br>(umho/cm) |                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><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<br>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)                             |                              |                    |
| STORET #                                                                |                                                                          | Temp<br>(C)                                                    |                                                          | pH           | Sample<br>Depth                                                 | <input type="checkbox"/> ft<br><input type="checkbox"/> m | Sp. Conductance<br>(umho/cm) |                    |
| Latitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Longitude<br><input type="checkbox"/> dd<br><input type="checkbox"/> dms | Salinity<br>(ppt)                                              |                                                          | Comments     |                                                                 |                                                           |                              |                    |

|                  |           |                 |                            |              |           |
|------------------|-----------|-----------------|----------------------------|--------------|-----------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|------------------|-----------|-----------------|----------------------------|--------------|-----------|

Date of Request: 05-JUN-2017  
 Created By: MUSSON\_C On: 05-JUN-2017  
 Modified By: MATTHEWS\_D On: 06-JUN-2017  
 Customer: WQAP  
 Project: BMAP  
 Division: Division of Environmental Assessment and Restoration  
 District:  
 Sampling Event: Merritts Mill Pond BMAP

**Send Coolers To:**

Phone: 850-245-8453  
 2600 Blair Stone Rd  
 MS #3525  
 Tallahassee, FL 32399-2400  
 Attn: Curtis Musson

Program Module Number:  
 Priority: 3  
 Event Status: S  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 06-JUN-2017  
 Biology Request Reviewed By: MATTHEWS\_D On: 06-JUN-2017  
 Sampling Kit Required: YES Ship on: 09-JUN-2017  
 Sampling Kit Shipped: YES On: 12-JUN-2017  
 Sampling Kit Packed By: ANGULO\_M  
 Preservatives Needed: NO  
 Date to Receive Samples: 14-JUN-2017  
 Received By:

**Send Final Report To:**

2600 Blair Stone Rd  
 MS #3525  
 Tallahassee, FL 32399-2400  
 Attn: Curtis Musson

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

Comments: Group A: Freshwater Kit With Metals  
 Group B: Algae\_ID  
  
 4 - LlitersDI water for a field blank  
  
 No FedEx labels needed

**Bottle Group A (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 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                                                                                      |
| Bottle Type: BP-1L    | Number of Bottles: 5 | Preserved With: ICE                                                                                                                            |
| CHLSUITE-W            | Template: DEFAULT    | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry                             |
| Bottle Type: P-500ML  | Number of Bottles: 5 | 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 |
| Calcium               |                      |                                                                                                                                                |
| Chromium              |                      |                                                                                                                                                |
| Iron                  |                      |                                                                                                                                                |
| Magnesium             |                      |                                                                                                                                                |
| Nickel                |                      |                                                                                                                                                |
| Potassium             |                      |                                                                                                                                                |
| Sodium                |                      |                                                                                                                                                |

**Bottle Group A (Water) With 5 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 5 | Preserved With: HNO3                                                                                                                           |
| W-ICP                | Template:            | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template:            | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects                    |
| Arsenic              |                      |                                                                                                                                                |
| Cadmium              |                      |                                                                                                                                                |
| Copper               |                      |                                                                                                                                                |
| Lead                 |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |

|                      |                      |                                                                                          |
|----------------------|----------------------|------------------------------------------------------------------------------------------|
| Bottle Type: P-500ML | Number of Bottles: 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: ICE-FLTR                                                                 |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

**Bottle Group B (Biological) With 1 Samples:**

|                      |                      |                                                                        |
|----------------------|----------------------|------------------------------------------------------------------------|
| Bottle Type: PT-50ML | Number of Bottles: 1 | Preserved With: ICE                                                    |
| ALGAL_ID             | Template: DEFAULT    | (SOP-AB05) Qualitative assessment of algal taxa present without counts |

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



# Log-in Checklist

RQ- 2017-06-12-67

Shipping Method: F/D

Date/Time of Receipt: 6/14/17 3:00

| Cooler ID | Cooler Temperature* | No. Sample Containers in Cooler | Evidence Tape |                                     |          |    | Tracking # (fill out only if waybill copy is damaged) |
|-----------|---------------------|---------------------------------|---------------|-------------------------------------|----------|----|-------------------------------------------------------|
|           |                     |                                 | Present?      |                                     | *Intact? |    |                                                       |
|           |                     |                                 | Yes           | No                                  | Yes      | No |                                                       |
| RED       | 1.6°C               | 10                              |               | <input checked="" type="checkbox"/> |          |    |                                                       |
| REP       | 1.5°C               | 15                              |               | <input checked="" type="checkbox"/> |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |
|           |                     |                                 |               |                                     |          |    |                                                       |

\*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

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

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

## CONTAINER CHECK

**\*\*Evidence Tape on Bottles?** Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐

**\*\*Caps on tight?** Yes ☒ No ☐ **\*\*Containers intact?** Yes ☒ No ☐

**\*\*Sufficient Sample Volume:** Yes ☒ No ☐

## CHLORINE CHECK (Blue dot on container)

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |               |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|---------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis      | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF    |     |    |
| W-AHERB-AA (-AHB-AA-R)                                                                               |     |    | W-PCL-SQ (-R) |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT      |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PESTNP-R    |     |    |
| W-ENDO-AA                                                                                            |     |    | W-PSCL-TQ     |     |    |
| W-GLYPH                                                                                              |     |    | W-PSNP-TQ     |     |    |
| W-NP-AA-SF                                                                                           |     |    | W-PST-CL-R    |     |    |
| W-PAH (-R)                                                                                           |     |    | W-TR-TQ       |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R     |     |    |

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

**\*\*Acid Preserved Samples:** pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: J.D.

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

Coolers Unpacked/Checked by: J.D. Date: 6/14/17 NCRs (Y/N)? ☐

Event ID: WQAP-2017-06-14-02 NCR # ☐

## Log-in Checklist

### Samples with Incorrect pH Preservation or presence of Chlorine

| Field ID | Bottle Test ID(s) | pH / Cl | Action Taken |
|----------|-------------------|---------|--------------|
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |
|          |                   |         |              |

### Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

| Cooler ID | Field ID | Bottle Test ID(s) |
|-----------|----------|-------------------|
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |
|           |          |                   |

### Bottles Not Intact

| Field ID | Bottle Test ID(s) | Loose Cap | Damaged Cap |    | Damaged Container |    | Evidence Tape Not Intact |
|----------|-------------------|-----------|-------------|----|-------------------|----|--------------------------|
|          |                   |           | CK          | BR | CK                | BR |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |
|          |                   |           |             |    |                   |    |                          |

### Samples with Insufficient Volume for Analyses

| Field ID | Bottle Test ID(s) | Action Taken |
|----------|-------------------|--------------|
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

## ENCORE SAMPLES

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

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

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

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

If no, were samples shipped on dry ice? Yes \_\_\_\_\_ No \_\_\_\_\_

**FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):**

Samples preserved within 48 hours? Yes \_\_\_\_\_ No \_\_\_\_\_

Date and time samples preserved: \_\_\_\_\_

**Additional Comments:**