



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

Little Alligator Creek at SR 273

WIN Station Name:

Date: 8/15/18

WIN ID/ Field ID G3WA0006

WBID: 123

Latitude: 30.88873

(mm/dd/yyyy)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.46802

(Decimal Degrees)

Receiving Body of Water: Alligator Creek

RQ - 2018-07-30-18

| Sampling Team Members |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check | Duplicate Collection | Blank Collection |
|-----------------------|--|-----------------|-------------------|---------------|--------------|--------------------|----------------------|------------------|
| Ben Ralys             |  |                 |                   |               |              |                    | NA                   | NA               |
| Phil Homann           |  |                 |                   |               |              |                    | NA                   | NA               |

| Sampling Equipment                                   |                                   |                               |
|------------------------------------------------------|-----------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> Sample Container | <input type="checkbox"/> Van Dorn | <input type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy                      | <input type="checkbox"/> Syringe  |                               |
| <input type="checkbox"/> Dipper                      | <input type="checkbox"/> Other    |                               |
| Depth Measured with: <u>meter stick</u>              |                                   |                               |
| Equipment ID                                         |                                   |                               |

| Collection Method                          |                                         |  |
|--------------------------------------------|-----------------------------------------|--|
| <input checked="" type="checkbox"/> Wading | <input type="checkbox"/> Canoe/Kayak    |  |
| <input type="checkbox"/> From Shore        | <input type="checkbox"/> Electric Motor |  |
| <input type="checkbox"/> Other             | <input type="checkbox"/> Gasoline Motor |  |

Water Level: Dry/ Pooled/ Low/ Normal High/ Flooded

Meter ID# Biology #2

Matrix: Fresh Marine / DI

Photos: Yes / No

Flow: No Flow / Intestinal Flowing / NA

Tide: Rising/ Falling/ Slack NA

Tide Times: High NA Low NA

Field Sample

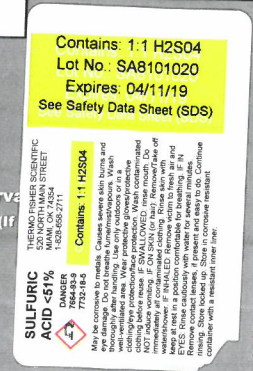
(Bracket Sample Time)

| Time Zone  | Time        | Total Depth (m) | Sample Depth (m) | Secchi Disk (m) | DO (mg/L)   | DO (%SAT)   | pH          | Salinity (ppt) | Sp COND (µmhos/cm) | Temp. (C°)   |
|------------|-------------|-----------------|------------------|-----------------|-------------|-------------|-------------|----------------|--------------------|--------------|
| <u>EST</u> | <u>1055</u> | <u>0.4</u>      | <u>0.2</u>       | <u>NOB</u>      | <u>4.79</u> | <u>59.4</u> | <u>6.76</u> | <u>0.04</u>    | <u>84</u>          | <u>26.27</u> |
| CEN        |             |                 |                  |                 |             |             |             |                |                    |              |

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#: 2017337

| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                                                          | Preservation                                                                                    | Lot#             | Expiration    | pH Check                               |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------|---------------|----------------------------------------|
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                            | <input checked="" type="checkbox"/> Ice <input type="checkbox"/> F <sub>2</sub> SO <sub>4</sub> | <u>SA8101020</u> | <u>4/1/19</u> | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                          |                  |               | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                                         | <u>10827054</u>  |               |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                                         |                  |               |                                        |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                              | <input checked="" type="checkbox"/> Ice                                                         |                  |               |                                        |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                              | <input type="checkbox"/> Ice                                                                    |                  |               |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                        | <input type="checkbox"/> Formalin                                                               |                  |               |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                                    |                  |               |                                        |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                            | <input checked="" type="checkbox"/> Ice                                                         |                  |               |                                        |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-HF183 <input checked="" type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                         | <input checked="" type="checkbox"/> Ice                                                         |                  |               |                                        |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input checked="" type="checkbox"/> <u>E6321-MS</u>                                                                                                                            | <input checked="" type="checkbox"/> Ice                                                         |                  |               |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-CARB-AA <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Ice <input type="checkbox"/> Other                                     |                  |               |                                        |



Minnow Creek At  
Lowewood Rd

WIN ID



G3WA0008

QA/QC Sample Information

Field ID →



G3WA0008\_dup

qc-dup

Duplicate

| Time Zone:                  | CEN                                                                                                                                                                                                                                                                                           | Time:                                                                                                      | Field ID: | (WIN ID + DUP) |                                         |  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------|----------------|-----------------------------------------|--|
| Parameter Suite             | Parameter Methods                                                                                                                                                                                                                                                                             | Preservation                                                                                               | Lot#      | Expiration     | pH Check                                |  |
| Preserved Nutrients         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> | SA8101020 | 4/11/19        | <input checked="" type="checkbox"/> < 2 |  |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                               | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                                     |           |                | <input type="checkbox"/> < 2            |  |
| Filtered Nutrients          | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                 | <input checked="" type="checkbox"/> Ice                                                                    |           |                |                                         |  |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Ice                                                                    |           |                |                                         |  |
| Physical/Aggregate (Fresh)  | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                                                    |           |                |                                         |  |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                                               |           |                |                                         |  |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                                                    |           |                |                                         |  |
| Molecular                   | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                  | <input type="checkbox"/> Ice                                                                               |           |                |                                         |  |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                   | <input type="checkbox"/> Ice                                                                               |           |                |                                         |  |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-CARB-AA<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                                             |           |                |                                         |  |

Contains: 1.1 H2SO4  
Lot No: SA8101020  
Expires: 04/11/19  
See Safety Data Sheet (SDS)

Place Preservation  
(If Applicable)

Contains: 1.1 H2SO4  
Lot No: SA8101020  
Expires: 04/11/19  
See Safety Data Sheet (SDS)

Blank

| Time Zone:                                                                                                                                      | CEN                                                                                                                                                                                                                                                                                           | Time:                                                                                                      | Field ID:     | (BLANK_DDMMYY)             |                                         |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------|----------------------------|-----------------------------------------|--|
| DI Source:                                                                                                                                      | Lab                                                                                                                                                                                                                                                                                           |                                                                                                            | Location:     | Minnow Creek @ Lowewood Rd |                                         |  |
| <input checked="" type="checkbox"/> Field Blank <input type="checkbox"/> Equipment Blank <input type="checkbox"/> Field Cleaned Equipment Blank |                                                                                                                                                                                                                                                                                               |                                                                                                            | Equipment ID: |                            |                                         |  |
| Parameter Suite                                                                                                                                 | Parameter Methods                                                                                                                                                                                                                                                                             | Preservation                                                                                               | Lot#          | Expiration                 | pH Check                                |  |
| Preserved Nutrients                                                                                                                             | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> | SA8101020     | 4/11/19                    | <input checked="" type="checkbox"/> < 2 |  |
| Metals                                                                                                                                          | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                               | <input type="checkbox"/> Ice <input type="checkbox"/> HNO <sub>3</sub>                                     |               |                            | <input type="checkbox"/> < 2            |  |
| Filtered Nutrients                                                                                                                              | <input checked="" type="checkbox"/> W-PO4-F <input checked="" type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                                                                                                 | <input checked="" type="checkbox"/> Ice                                                                    |               |                            |                                         |  |
| Chlorophyll                                                                                                                                     | <input type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                           | <input type="checkbox"/> Ice                                                                               |               |                            |                                         |  |
| Physical/Aggregate (Fresh)                                                                                                                      | <input checked="" type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice                                                                    |               |                            |                                         |  |
| Physical/Aggregate (Marine)                                                                                                                     | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                                               |               |                            |                                         |  |
| Microbiology                                                                                                                                    | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                                               |               |                            |                                         |  |
| Molecular                                                                                                                                       | <input type="checkbox"/> PCR-FILTER <input type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                                                  | <input type="checkbox"/> Ice                                                                               |               |                            |                                         |  |
| Tracers                                                                                                                                         | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                   | <input type="checkbox"/> Ice                                                                               |               |                            |                                         |  |
| Pesticides                                                                                                                                      | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-CARB-AA<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Other                                                                             |               |                            |                                         |  |

SULFURIC  
ACID <51%  
DANGER  
7564-45-8  
7732-18-4  
Contains: 1.1 H2SO4  
THERMO FISHER SCIENTIFIC  
520 NORTH MAIN STREET  
MAAM, OK 74354  
1-828-658-2711  
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. IF SWALLOWED: rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Peel off HOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosive resistant container with a resistant inner liner.

Contains: 1.1 H2SO4  
Lot No: SA8101020  
Expires: 04/11/19  
See Safety Data Sheet (SDS)

Field Blank

Field ID →



Blank\_08152018

Notes:

Kit-A, Bacteria

WIN ID / Field ID

Minnow Creek At  
Lowewood Rd

G3WA0008

Signature:

*Br R*

Date:

8/16/18

Enter Field Parameters, Verify Station ID In LIMS DMT:

8/27/18  
(Initials/Date)

QC Station ID, Field Parameters In LIMS DMT:

CM 8-28-18  
(Initials/Date)

Scan/Save Field Sheets

CM 8-28-18  
(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

# CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter ID: Biology 2

RQ: 2018-07-30-18

Project: SMP/NWQI

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site \_\_\_\_\_

**Temperature (Quarterly) FT 1400**

Date of Last Temperature Verification \_\_\_\_\_

| DO DEP SOP FT 1500 | Name        | Date | Time CT-ET | Temp  | D.O. Chart mg/L | Meter D.O. mg/L | % DO  | Probe Charge | Probe Gain | Pass / Fail | Lab / Field |
|--------------------|-------------|------|------------|-------|-----------------|-----------------|-------|--------------|------------|-------------|-------------|
| Calibr.            | Ben Roberts | 8/15 | 7:11       | 20.86 | 8.95            | 8.94            | 100.0 | 72.7         | —          | (P) F       | (L) F       |
| ICV                | Ben Roberts | 8/15 | 7:13       | 20.89 | 8.95            | 8.93            | 100.0 | 72.7         | —          | (P) F       | (L) F       |
| CCV                | Ben Roberts | 8/15 | 2:31       | 21.22 | 8.88            | 8.95            | 100.8 | 69.6         | —          | (P) F       | (L) F       |
| CCV                |             |      |            |       |                 |                 |       |              |            | P / F       | L / F       |

DO Acceptance criteria from Table  $\pm 0.3$  mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

| Spec. Cond. FT 1200 | Name        | Date | Time CT-ET | Lot #   | Expir. Date | Standard $\mu$ hos/cm | Meter Reading $\mu$ hos/cm | Pass / Fail | Lab / Field |
|---------------------|-------------|------|------------|---------|-------------|-----------------------|----------------------------|-------------|-------------|
| Calibr.             | Ben Roberts | 8/15 | 7:15       | 180403A | 4/2019      | 1,000                 | 1,000                      | (P) F       | (L) F       |
| ICV                 | Ben Roberts | 8/15 | 7:16       | 180403A | 4/2019      | 1,000                 | 1,000                      | (P) F       | (L) F       |
| CCV                 | Ben Roberts | 8/15 | 2:32       | 2802833 | Jan/2020    | 100                   | 101                        | (P) F       | (L) F       |
| CCV                 |             |      |            |         |             |                       |                            | P / F       | L / F       |

Conductivity Acceptance criteria  $\pm 5\%$

| pH DEP SOP FT 1100 | Name        | Date | Time CT-ET | Lot #   | Expir. Date | pH Buffer SU | Meter reading SU | mV     | Pass / Fail | Lab / Field |
|--------------------|-------------|------|------------|---------|-------------|--------------|------------------|--------|-------------|-------------|
| Calibr.            | Ben Roberts | 8/15 | 7:17       | 171121A | 6/2019      | 7.0          | 7.00             | 18.8   | (P) F       | (L) F       |
| Calibr.            | Ben Roberts | 8/15 | 7:21       | 180510B | 5/2019      | 4.0          | 4.00             | 187.0  | (P) F       | (L) F       |
| Calibr.            | Ben Roberts | 8/15 | 7:21       | 180221E | 9/2019      | 10.0         | 10.01            | -151.4 | (P) F       | (L) F       |
| ICV                | Ben Roberts | 8/15 | 7:24       | 180221E | 9/2019      | 10.0         | 10.01            | -151.4 | (P) F       | (L) F       |
| CCV                | Ben Roberts | 8/15 | 2:34       | 180510B | 5/2019      | 4.0          | 3.86             | 195.4  | (P) F       | (L) F       |
| CCV                |             |      |            |         |             |              |                  |        | P / F       | L / F       |

pH Acceptance criteria  $\pm 0.2$  SU; mV pH 7 Range  $0 \pm 50$ ;

mV pH 4 Range  $+180 \pm 50$ ;

mV pH 10 Range  $-180 \pm 50$ ;

If mV are recorded: slope from 7 to 10 \_\_\_\_\_, slope from 4 to 7 \_\_\_\_\_ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification \_\_\_\_\_

| Depth Sensor (Daily Calibration & ICV) | Name | Date | Time CT-ET | Calibrated Value (0.00 or Offset), meters | ICV Value meters | Pass / Fail | Lab / Field |
|----------------------------------------|------|------|------------|-------------------------------------------|------------------|-------------|-------------|
| Pressure mode in air                   |      |      |            |                                           |                  | P / F       | L / F       |

Report two decimal places. Round numbers  $\leq 4$  down,  $\geq 5$  up. ICV acceptance criteria  $\pm 5\%$  or  $\pm 0.05$ m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection  
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Project ID: SMP

Collected By:

Field Report Prepared By:

Sampling Agency:

| Location                           | Field ID | WIN ID / Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Temp (C) | pH   | Salinity (ppt) | Comments | Collection (comp begin or grab) | Date    | Time | Composite end | Bottle Group(s) |
|------------------------------------|----------|-------------------|---------------------------------------|----------|------|----------------|----------|---------------------------------|---------|------|---------------|-----------------|
| Alligator Creek upstream of SR 273 | 30.819   | -85.5042          | Fresh                                 | 25.23    | 6.36 | 0.02           |          | Grab                            | 8/15/18 | 0945 | 0945          | A               |
| Minnow Creek At Minnow Creek Rd    | 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| Minnow Creek At Minnow Creek Rd    | 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| Field Blank                        | 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1030 | 1030          | D               |

| Field ID | WIN ID / Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Temp (C) | pH   | Salinity (ppt) | Comments | Collection (comp begin or grab) | Date    | Time | Composite end | Bottle Group(s) |
|----------|-------------------|---------------------------------------|----------|------|----------------|----------|---------------------------------|---------|------|---------------|-----------------|
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |

| Field ID | WIN ID / Field ID | Matrix (type, e.g., Salt, Fresh, etc) | Temp (C) | pH   | Salinity (ppt) | Comments | Collection (comp begin or grab) | Date    | Time | Composite end | Bottle Group(s) |
|----------|-------------------|---------------------------------------|----------|------|----------------|----------|---------------------------------|---------|------|---------------|-----------------|
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |
| 30.83682 | -85.52943         | Fresh                                 | 24.96    | 6.44 | 0.02           |          | Grab                            | 8/15/18 | 1015 | 1015          | C               |

|                            |                    |                            |                              |                          |                         |
|----------------------------|--------------------|----------------------------|------------------------------|--------------------------|-------------------------|
| Relinquished By: Ben Rabas | Date/Time: 8/15/18 | Shipping Method: Delivered | Number of Coolers Shipped: 3 | Received By: [Signature] | Date/Time: 8/15/18 1414 |
|----------------------------|--------------------|----------------------------|------------------------------|--------------------------|-------------------------|

Florida Department of Environmental Protection  
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Roberts, Phil Hansen

Field Report Prepared By: Ben Roberts, Phil Hansen

Sampling Agency: FDEP

| Location                                |              | WIN ID / Field ID |           | Collection (comp begin or grab)     |                          | Composite end |      | Bottle Group(s) |                            |
|-----------------------------------------|--------------|-------------------|-----------|-------------------------------------|--------------------------|---------------|------|-----------------|----------------------------|
| Field ID                                | WIN/STORET # | Latitude          | Longitude | Comp                                | Grab                     | Date          | Time | mg/L            | Total Res. Chlorine (mg/L) |
| 30.00073                                | SR 273       | 30.00073          | -85.46002 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8.15.18       | 1055 | 59.4            | 0.2                        |
| Little Alligator Creek at SR 273        |              | -85.46002         |           | Fresh                               |                          | 6.76          |      | 0.2             |                            |
| Alligator Creek upstream of Bentley Rd. |              | G3WA00004         |           | no flow - did not sample            |                          | 1110          |      | B               |                            |
| Scurlock Creek at Pilgrim Rd            |              | G3WA00009         |           | no flow - did not sample            |                          | 1120          |      | B               |                            |
| Pine Barn Creek at Woodrest Rd          |              | G3WA00011         |           | no flow - did not sample            |                          | 1130          |      | B               |                            |

| Location                                |              | WIN ID / Field ID |           | Collection (comp begin or grab)     |                          | Composite end |      | Bottle Group(s) |                            |
|-----------------------------------------|--------------|-------------------|-----------|-------------------------------------|--------------------------|---------------|------|-----------------|----------------------------|
| Field ID                                | WIN/STORET # | Latitude          | Longitude | Comp                                | Grab                     | Date          | Time | mg/L            | Total Res. Chlorine (mg/L) |
| 30.00073                                | SR 273       | 30.00073          | -85.46002 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8.15.18       | 1055 | 59.4            | 0.2                        |
| Little Alligator Creek at SR 273        |              | -85.46002         |           | Fresh                               |                          | 6.76          |      | 0.2             |                            |
| Alligator Creek upstream of Bentley Rd. |              | G3WA00004         |           | no flow - did not sample            |                          | 1110          |      | B               |                            |
| Scurlock Creek at Pilgrim Rd            |              | G3WA00009         |           | no flow - did not sample            |                          | 1120          |      | B               |                            |
| Pine Barn Creek at Woodrest Rd          |              | G3WA00011         |           | no flow - did not sample            |                          | 1130          |      | B               |                            |

| Location                                |              | WIN ID / Field ID |           | Collection (comp begin or grab)     |                          | Composite end |      | Bottle Group(s) |                            |
|-----------------------------------------|--------------|-------------------|-----------|-------------------------------------|--------------------------|---------------|------|-----------------|----------------------------|
| Field ID                                | WIN/STORET # | Latitude          | Longitude | Comp                                | Grab                     | Date          | Time | mg/L            | Total Res. Chlorine (mg/L) |
| 30.00073                                | SR 273       | 30.00073          | -85.46002 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8.15.18       | 1055 | 59.4            | 0.2                        |
| Little Alligator Creek at SR 273        |              | -85.46002         |           | Fresh                               |                          | 6.76          |      | 0.2             |                            |
| Alligator Creek upstream of Bentley Rd. |              | G3WA00004         |           | no flow - did not sample            |                          | 1110          |      | B               |                            |
| Scurlock Creek at Pilgrim Rd            |              | G3WA00009         |           | no flow - did not sample            |                          | 1120          |      | B               |                            |
| Pine Barn Creek at Woodrest Rd          |              | G3WA00011         |           | no flow - did not sample            |                          | 1130          |      | B               |                            |

Relinquished By: Ben Roberts

Date/Time: 8/15/18

Shipping Method: Delivered

Number of Coolers Shipped: 3

Received By: [Signature]

Date/Time: 8/15/18

Florida Department of Environmental Protection  
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Ben Labes, Phil Hansen

Field Report Prepared By:

Ben Labes, Phil Hansen

Sampling Agency: SOEP

|                |  |                   |  |                                       |  |                              |  |                 |  |
|----------------|--|-------------------|--|---------------------------------------|--|------------------------------|--|-----------------|--|
| Location       |  | WIN ID / Field ID |  | Collection (comp begin or grab)       |  | Composite end                |  | Bottle Group(s) |  |
| Field ID       |  | Gilberts Mills    |  | Date 8-15-18 Time 1150                |  | Date                         |  | (See pg 2)      |  |
| WIN/STORET #   |  | Creek at          |  | Matrix (type, e.g., Salt, Fresh, etc) |  | mg/L Total Res. Chlorine     |  |                 |  |
| Latitude       |  | Woodcrest Rd      |  | Temp (C) 25.71                        |  | ft Sp. Conductance (umho/cm) |  | B               |  |
| Longitude      |  | 30.8069           |  | pH 5.90                               |  | m                            |  | 31              |  |
| Salinity (ppt) |  | 0.01              |  | Comments                              |  |                              |  |                 |  |
| Location       |  | WIN ID / Field ID |  | Collection (comp begin or grab)       |  | Composite end                |  | Bottle Group(s) |  |
| Field ID       |  | Unnained Creek    |  | Date 8-15-18 Time 1140                |  | Date                         |  | B               |  |
| WIN/STORET #   |  | at Palmview Rd    |  | Matrix (type, e.g., Salt, Fresh, etc) |  | mg/L Total Res. Chlorine     |  |                 |  |
| Latitude       |  | dd dms            |  | Temp (C)                              |  | ft Sp. Conductance (umho/cm) |  |                 |  |
| Longitude      |  | dd dms            |  | pH                                    |  | m                            |  |                 |  |
| Salinity (ppt) |  | dd dms            |  | Comments                              |  |                              |  |                 |  |
| Location       |  | WIN ID / Field ID |  | Collection (comp begin or grab)       |  | Composite end                |  | Bottle Group(s) |  |
| Field ID       |  |                   |  | Date                                  |  | Date                         |  |                 |  |
| WIN/STORET #   |  |                   |  | Matrix (type, e.g., Salt, Fresh, etc) |  | mg/L Total Res. Chlorine     |  |                 |  |
| Latitude       |  |                   |  | Temp (C)                              |  | ft Sp. Conductance (umho/cm) |  |                 |  |
| Longitude      |  |                   |  | pH                                    |  | m                            |  |                 |  |
| Salinity (ppt) |  |                   |  | Comments                              |  |                              |  |                 |  |
| Location       |  | WIN ID / Field ID |  | Collection (comp begin or grab)       |  | Composite end                |  | Bottle Group(s) |  |
| Field ID       |  |                   |  | Date                                  |  | Date                         |  |                 |  |
| WIN/STORET #   |  |                   |  | Matrix (type, e.g., Salt, Fresh, etc) |  | mg/L Total Res. Chlorine     |  |                 |  |
| Latitude       |  |                   |  | Temp (C)                              |  | ft Sp. Conductance (umho/cm) |  |                 |  |
| Longitude      |  |                   |  | pH                                    |  | m                            |  |                 |  |
| Salinity (ppt) |  |                   |  | Comments                              |  |                              |  |                 |  |
| Location       |  | WIN ID / Field ID |  | Collection (comp begin or grab)       |  | Composite end                |  | Bottle Group(s) |  |
| Field ID       |  |                   |  | Date                                  |  | Date                         |  |                 |  |
| WIN/STORET #   |  |                   |  | Matrix (type, e.g., Salt, Fresh, etc) |  | mg/L Total Res. Chlorine     |  |                 |  |
| Latitude       |  |                   |  | Temp (C)                              |  | ft Sp. Conductance (umho/cm) |  |                 |  |
| Longitude      |  |                   |  | pH                                    |  | m                            |  |                 |  |
| Salinity (ppt) |  |                   |  | Comments                              |  |                              |  |                 |  |

|                  |           |                 |                            |              |              |
|------------------|-----------|-----------------|----------------------------|--------------|--------------|
| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time    |
| Ben Labes        | 8/16/18   | Delivered       | 3                          |              | 8/15/18 1414 |

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 1

P-1L

Bottle Type:

Group: A

ALKALINITY  
TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 1

BP-1L

Bottle Type:

Group: A

CHLSUITE-W

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 1

P-250ML-WO-THI

Bottle Type:

Group: A

ECOLI-18QT

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 1

QPCR-P-500ML

Bottle Type:

Group: A

PCR-BACR

PCR-HF183

Enter Number of Bottles Sent to Lab

Preservative: CH2CICOOH  
Pre-Preserved

# of Bottles: 1

BG-500ML

Bottle Type:

Group: A

W-CARB-AA

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 4

BG-500ML

Bottle Type:

Group: A

W-CT-CI-R

W-PCL-SQ-R

Enter Number of Bottles Sent to Lab

Preservative: ICE

# of Bottles: 1

BG-500ML

Bottle Type:

Group: A

W-E8321-DI

W-E8321-MS

Enter Number of Bottles Sent to Lab

Preservative: HNO3

# of Bottles: 1

P-500ML

Bottle Type:

Group: A

W-ICP

W-ICPMS

Enter Number of Bottles Sent to Lab

Preservative: ICE And H2SO4

# of Bottles: 1

P-500ML

Bottle Type:

Group: A

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

H2SO4  
LOT# S48101020  
EXP: 04/11/2019

NA-7251120

EXP: 09.18.18

|          |                                                                                                    |                |                 |               |                                                             |                                     |   |
|----------|----------------------------------------------------------------------------------------------------|----------------|-----------------|---------------|-------------------------------------------------------------|-------------------------------------|---|
| Group: A | Bottle Type:<br>W-PO4-F                                                                            | P-125ML        | # of Bottles: 1 | Preservative: | FILTER-ICE                                                  | Enter Number of Bottles Sent to Lab | 1 |
| Group: A | Bottle Type:<br>W-PSNP-TQ                                                                          | BG-1L          | # of Bottles: 4 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 4 |
| Group: B | Bottle Type:<br>ALKALINITY<br>TURBIDITY<br>W-CL-IC<br>W-COLOR<br>W-F<br>W-SO4-IC<br>W-TDS<br>W-TSS | P-1L           | # of Bottles: 6 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>CHLSUITE-W                                                                         | BP-1L          | # of Bottles: 6 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>ECOLI-18QT                                                                         | P-250ML-WO-THI | # of Bottles: 6 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>PCR-BACR<br>PCR-HF183                                                              | QPCR-P-500ML   | # of Bottles: 6 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-E8321-DI<br>W-E8321-MS                                                           | BG-500ML       | # of Bottles: 6 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-NH3<br>W-NO2NO3<br>W-S-A-TP<br>W-TKN<br>W-TOC                                    | P-500ML        | # of Bottles: 6 | Preservative: | ICE And H2SO4<br>H2SO4<br>LOT# S48101020<br>EXP: 04/11/2019 | Enter Number of Bottles Sent to Lab | 2 |
| Group: B | Bottle Type:<br>W-PO4-F                                                                            | P-125ML        | # of Bottles: 6 | Preservative: | FILTER-ICE                                                  | Enter Number of Bottles Sent to Lab | 2 |
| Group: C | Bottle Type:                                                                                       | P-1L           | # of Bottles: 2 | Preservative: | ICE                                                         | Enter Number of Bottles Sent to Lab | 2 |

| Group: C | Bottle Type: | P-1L | # of Bottles: 2 | Preservative: | ICE | Enter Number of Bottles Sent to Lab |
|----------|--------------|------|-----------------|---------------|-----|-------------------------------------|
|          | ALKALINITY   |      |                 |               |     | 2                                   |
|          | TURBIDITY    |      |                 |               |     |                                     |
|          | W-CL-IC      |      |                 |               |     |                                     |
|          | W-COLOR      |      |                 |               |     |                                     |
|          | W-F          |      |                 |               |     |                                     |
|          | W-SO4-IC     |      |                 |               |     |                                     |
|          | W-TDS        |      |                 |               |     |                                     |
|          | W-TSS        |      |                 |               |     |                                     |

| Group: C | Bottle Type: | BP-1L | # of Bottles: 2 | Preservative: | ICE | Enter Number of Bottles Sent to Lab |
|----------|--------------|-------|-----------------|---------------|-----|-------------------------------------|
|          | CHLSUITE-W   |       |                 |               |     | 2                                   |

| Group: C | Bottle Type: | P-250ML-WO-THI | # of Bottles: 2 | Preservative: | ICE | Enter Number of Bottles Sent to Lab |
|----------|--------------|----------------|-----------------|---------------|-----|-------------------------------------|
|          | ECOLI-18QT   |                |                 |               |     | 2                                   |

| Group: C | Bottle Type: | P-500ML | # of Bottles: 2 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|
|          | W-NH3        |         |                 |               |               | 2                                   |
|          | W-NO2NO3     |         |                 |               |               |                                     |
|          | W-S-A-TP     |         |                 |               |               |                                     |
|          | W-TKN        |         |                 |               |               |                                     |
|          | W-TOC        |         |                 |               |               |                                     |

H2SO4  
LOT# 598101028  
EXP: 04/11/2019

| Group: C | Bottle Type: | P-125ML | # of Bottles: 2 | Preservative: | FILTER-ICE | Enter Number of Bottles Sent to Lab |
|----------|--------------|---------|-----------------|---------------|------------|-------------------------------------|
|          | W-PO4-F      |         |                 |               |            | 2                                   |

| Group: D | Bottle Type: | P-1L | # of Bottles: 1 | Preservative: | ICE | Enter Number of Bottles Sent to Lab |
|----------|--------------|------|-----------------|---------------|-----|-------------------------------------|
|          | ALKALINITY   |      |                 |               |     | 1                                   |
|          | TURBIDITY    |      |                 |               |     |                                     |
|          | W-CL-IC      |      |                 |               |     |                                     |
|          | W-COLOR      |      |                 |               |     |                                     |
|          | W-F          |      |                 |               |     |                                     |
|          | W-SO4-IC     |      |                 |               |     |                                     |
|          | W-TDS        |      |                 |               |     |                                     |
|          | W-TSS        |      |                 |               |     |                                     |

| Group: D | Bottle Type: | P-500ML | # of Bottles: 1 | Preservative: | ICE And H2SO4 | Enter Number of Bottles Sent to Lab |
|----------|--------------|---------|-----------------|---------------|---------------|-------------------------------------|
|          | W-NH3        |         |                 |               |               | 1                                   |
|          | W-NO2NO3     |         |                 |               |               |                                     |
|          | W-S-A-TP     |         |                 |               |               |                                     |

H2SO4  
LOT# 598101028  
EXP: 04/11/2019

|          |                                |         |                 |                                                                              |                                     |   |
|----------|--------------------------------|---------|-----------------|------------------------------------------------------------------------------|-------------------------------------|---|
| Group: D | Bottle Type:<br>W-TKN<br>W-TOC | P-500ML | # of Bottles: 1 | Preservative:<br>ICE And H2SO4<br>H2SO4<br>LOT# S08101020<br>EXP: 04/11/2019 | Enter Number of Bottles Sent to Lab | 1 |
| Group: D | Bottle Type:<br>W-PO4-F        | P-125ML | # of Bottles: 1 | Preservative:<br>FILTER-ICE                                                  | Enter Number of Bottles Sent to Lab | 1 |

**Cooler Packing Worksheet for Request: RQ-2018-07-30-18**

**Alligator Creek**

**Ship Cooler On: 7/26/2018**

**Customer/Project: WAS-SECT/SMP**

Assigned To: REYNOLDS\_T

Requester: Curtis Musson

Priority: 3

850-245-8453  
2600 Blair Stone Rd  
  
Tallahassee, FL 32399  
  
Attn: Curtis Musson

**Please return  
packing list with  
sample submittal  
forms.**

**Comments:**

Group A: Nutrients, Metals, PCR, Pesticides, E.coli  
Alligator Creek US of SR273

Group B: Nutrients, PCR, Tracers, E.coli  
WBIDs 123 (x2), 195, 233A, 235, 262A)

Group C: Nutrients, E.coli  
WBID 130 Sample and DUP

Group D: Nutrients  
Field Blank

**Packing Notes**  
No FedEx labels  
No Trash bags

1 - case of sulfuric acid  
1 - case of nitric acid  
2 - sets of sulfuric acid labels  
2 - sets of nitric acid labels

**Requested Analyses:**

**Bottle Group: A**

**# of Sites: 1**

**Container ID: P-1L**

**Qty: 1      Preservation: ICE**

**Lot # 000 712 33**

**Description: Plastic Bottle 1L**

**Analysis**

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

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L  
Turbidity in aqueous matrices  
Chloride in aqueous matrices  
True Color measured at 450 nm  
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)  
Sulfate in aqueous matrices  
Total Dissolved Solids in aqueous matrices  
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 118038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 60070587

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1 Preservation: CH<sub>2</sub>ClCOOH Pre-Preserved

Lot # 60071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 60071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 60071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

Description

W-E8321-DI  
W-E8321-MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS  
Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

**Analysis**

W-ICP  
W-ICPMS

**Description**

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects  
Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

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

**Description**

Ammonia in aqueous matrices as mg N/L  
Nitrite/Nitrate in aqueous matrices as mg N/L  
Total Phosphorus in aqueous matrices as mg P/L  
Total Kjeldahl Nitrogen in aqueous matrices  
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00071266

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 00070613

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

**Analysis**

W-PSNP-TQ

**Description**

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

**Bottle Group: B**

**# of Sites: 6**

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

**Analysis**

**Description**

|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| ALKALINITY            | Alkalinity in aqueous matrices as mg CaCO <sub>3</sub> /L                           |
| TURBIDITY             | Turbidity in aqueous matrices                                                       |
| W-CL-IC               | Chloride in aqueous matrices                                                        |
| W-COLOR               | True Color measured at 450 nm                                                       |
| W-F                   | Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO <sub>4</sub> -IC | Sulfate in aqueous matrices                                                         |
| W-TDS                 | Total Dissolved Solids in aqueous matrices                                          |
| W-TSS                 | Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample      |

Container ID: BP-1L

Qty: 6    Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 6    Preservation: ICE

Lot # 618038

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 6    Preservation: ICE

Lot # 00070587

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 6    Preservation: ICE

Lot # 00071185

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 6    Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 6    Preservation: FILTER-ICE

Lot # 00071266

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

**Bottle Group: C**

**# of Sites: 2**

Container ID: P-1L

Qty: 2    Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 2    Preservation: ICE

Lot # 1221957

Description: Brown Plastic Bottle 1L

**Analysis**

CHLSUITE-W

**Description**

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # L18038

Description: 250 ml Sterilized no tablet

**Analysis**

ECOLI-18QT

**Description**

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 00071266

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

**Bottle Group: D**

**# of Sites: 1**

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00071233

Description: Plastic Bottle 1L

**Analysis**

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

**Description**

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

**Analysis**

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

**Description**

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00071266

Description: Plastic Bottle 125 mL

**Analysis**

W-PO4-F

**Description**

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: Tyler R.

Number of Coolers: 5

Date: 07/27/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

|    |                      |     |                 |       |                |
|----|----------------------|-----|-----------------|-------|----------------|
| ID | <u>sulfuric acid</u> | Exp | <u>04/11/19</u> | Lot # | <u>8101020</u> |
| ID | <u>nitric acid</u>   | Exp | <u>03/21/19</u> | Lot # | <u>8080070</u> |
| ID |                      | Exp |                 | Lot # |                |
| ID |                      | Exp |                 | Lot # |                |
| ID |                      | Exp |                 | Lot # |                |

**PLEASE RETURN ALL COOLERS FOR RQ-2018-07-30-18**