

RQ- 2018-09-03-26

## Log-in Checklist

Login Station ID: # 3Shipping Method: FedEx | UPS | HD | GreyhoundDate/Time of Receipt: 09/13/2018 / 09:35

| Cooler Temperature* | * All Samples in Cooler Preserved with |          | Number of Sample Containers in Cooler | Evidence Tape |    |          |    | Tracking # (fill out only if waybill copy is damaged) |
|---------------------|----------------------------------------|----------|---------------------------------------|---------------|----|----------|----|-------------------------------------------------------|
|                     |                                        |          |                                       | Present?      |    | *Intact? |    |                                                       |
|                     | HNO <sub>3</sub>                       | Formalin |                                       | Yes           | No | Yes      | No |                                                       |
| 2.5C                |                                        |          | 10                                    |               | X  |          |    | 4385 5032 6446                                        |
| 3.6C                |                                        |          | 15                                    |               | X  |          |    | ↑ ↑ 6505                                              |
| 2.8C                |                                        |          | 15                                    |               | X  |          |    | ↑ ↑ 6620                                              |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |
|                     |                                        |          |                                       |               |    |          |    |                                                       |

\* HNO<sub>3</sub> and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), 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       

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes        No X Date       

## CONTAINER CHECK

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

\*\*Caps on tight? Yes X No        \*\*Containers intact? Yes        No       

\*\*Sufficient Sample Volume: Yes X No       

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

| Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required. |     |    |            |     |    |
|------------------------------------------------------------------------------------------------------|-----|----|------------|-----|----|
| Analysis                                                                                             | Yes | No | Analysis   | Yes | No |
| W-1,4 DIOX                                                                                           |     |    | W-PC-AA-SF |     |    |
| W-E8321-DI, -MS, -21                                                                                 |     |    | W-NP-AA-SF |     |    |
| W-BNA (-625, -R)                                                                                     |     |    | W-PDQUAT   |     |    |
| W-CARB-AA (-CAB-AA-R)                                                                                |     |    | W-PCL-SQ-R |     |    |
| W-U2060-MS                                                                                           |     |    | W-TR-TQ    |     |    |
| W-PCB-R                                                                                              |     |    | W-CT-CI-R  |     |    |
| W-PAH (-R)                                                                                           |     |    | W-PSNP-TQ  |     |    |

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

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

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

Coolers Unpacked/Checked by: **ABS** Date: 09/13/2018

NCRs (Y/N)?       

Event ID: CALOOSA LT 3240BC  
SO-DIST-2018-09-13-02 (BMAP)

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

### Additional Comments:

|                            |                        |
|----------------------------|------------------------|
| Infrared Thermometer ID:   | REC_03_2018            |
| pH Paper 0.0 – 3.0 Lot #   | 2305 15 EXP:10/30/2018 |
| pH Paper 0 – 13 Lot #      | 222516 EXP:09/15/2019  |
| Chlorine Test Strips Lot # | 7226 EXP:20/20/07      |

### ENCORE SAMPLES

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

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

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

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

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

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

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

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

CALOOSA LT 3240BC

## Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SO-DIST

Requester: John Barrington

Field Report Prepared By:

JOHN BARRINGTON

Project ID: BMAP

Collected By:

JOHN BARRINGTON, STEVE COFANE

Sampling Agency:

FDEP SURGE 8052

|                                                                   |                                                                           |                                                           |                                                                            |                               |                               |
|-------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------|-------------------------------|
| Field ID/WIN ID<br>G3SD0116                                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/12/18 Time 1242 | Eastern<br>Central                                                         | Composite end<br>Date Time    | Bottle Group(s)<br>(See pg 2) |
| Location<br>MidChannel@OrangeRiver                                | Matrix (type, e.g., Salt, Fresh, etc)<br>FRESH                            | Diss. Oxygen<br>5.38                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) | A                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms        | Temp (C) 33.29                                            | pH 7.62                                                                    | Sample Depth 0.3              | Sp. Conductance (umho/cm) 469 |
| Comments                                                          |                                                                           |                                                           |                                                                            |                               |                               |
| Field ID/WIN ID<br>G3SD0117                                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/12/18 Time 1255 | Eastern<br>Central                                                         | Composite end<br>Date Time    | Bottle Group(s)               |
| Location<br>Upstream of Power Plant                               | Matrix (type, e.g., Salt, Fresh, etc)<br>FRESH                            | Diss. Oxygen<br>5.07                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) | A                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms        | Temp (C) 30.33                                            | pH 7.38                                                                    | Sample Depth 0.3              | Sp. Conductance (umho/cm) 411 |
| Comments                                                          |                                                                           |                                                           |                                                                            |                               |                               |
| Field ID/WIN ID<br>G3SD0118                                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/12/18 Time 1310 | Eastern<br>Central                                                         | Composite end<br>Date Time    | Bottle Group(s)               |
| Location<br>Mid Channel off Oxbow                                 | Matrix (type, e.g., Salt, Fresh, etc)<br>FRESH                            | Diss. Oxygen<br>5.06                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) | A                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms        | Temp (C) 30.77                                            | pH 7.42                                                                    | Sample Depth 0.3              | Sp. Conductance (umho/cm) 408 |
| Comments                                                          |                                                                           |                                                           |                                                                            |                               |                               |
| Field ID/WIN ID<br>G3SD0119                                       | <input type="checkbox"/> Comp<br><input checked="" type="checkbox"/> Grab | Collection (comp begin or grab)<br>Date 9/12/18 Time 1320 | Eastern<br>Central                                                         | Composite end<br>Date Time    | Bottle Group(s)               |
| Location<br>Mid channel off point                                 | Matrix (type, e.g., Salt, Fresh, etc)<br>FRESH                            | Diss. Oxygen<br>4.83                                      | <input checked="" type="checkbox"/> mg/L<br><input type="checkbox"/> % sat | Total Res. Chlorine<br>(mg/L) | A                             |
| Latitude <input type="checkbox"/> dd <input type="checkbox"/> dms | Longitude <input type="checkbox"/> dd <input type="checkbox"/> dms        | Temp (C) 30.45                                            | pH 7.33                                                                    | Sample Depth 0.3              | Sp. Conductance (umho/cm) 417 |
| Comments<br>Doc container received                                |                                                                           |                                                           |                                                                            |                               |                               |

|                                     |                            |                          |                                 |                     |                           |
|-------------------------------------|----------------------------|--------------------------|---------------------------------|---------------------|---------------------------|
| Relinquished By:<br>JOHN BARRINGTON | Date/Time<br>9/12/18, 1530 | Shipping Method<br>FEDEX | Number of Coolers Shipped:<br>3 | Received By:<br>ABP | Date/Time<br>9-13-18/1945 |
|-------------------------------------|----------------------------|--------------------------|---------------------------------|---------------------|---------------------------|

|          |                      |                 |                                |                                     |   |
|----------|----------------------|-----------------|--------------------------------|-------------------------------------|---|
| Group: A | Bottle Type: P-1L    | # of Bottles: 8 | Preservative: ICE              | Enter Number of Bottles Sent to Lab | 8 |
| BOD-UNIN |                      |                 |                                |                                     |   |
| Group: A | Bottle Type: P-125ML | # of Bottles: 8 | Preservative: FILTER-H2SO4-ICE | Enter Number of Bottles Sent to Lab | 8 |
| W-DOC    |                      |                 |                                |                                     |   |
| Group: A | Bottle Type: P-500ML | # of Bottles: 8 | Preservative: HNO3             | Enter Number of Bottles Sent to Lab | 8 |
| W-ICP    |                      |                 |                                |                                     |   |
| W-ICPMS  |                      |                 |                                |                                     |   |
| Group: A | Bottle Type: P-500ML | # of Bottles: 8 | Preservative: ICE And H2SO4    | Enter Number of Bottles Sent to Lab | 8 |
|          |                      |                 | NA 8080070 EXP 3/21/19         |                                     |   |
|          |                      |                 | SA 8085170 EXP 3/26/19         |                                     |   |
| W-NO2NO3 |                      |                 |                                |                                     |   |
| W-TKN    |                      |                 |                                |                                     |   |
| W-TOC    |                      |                 |                                |                                     |   |
| Group: A | Bottle Type: P-125ML | # of Bottles: 8 | Preservative: FILTER-ICE       | Enter Number of Bottles Sent to Lab | 8 |
| W-PO4-F  |                      |                 |                                |                                     |   |

# Florida Department of Environmental Protection

## Central Laboratory Submittal Form

CALOOSA LT 3240BC

Customer: SO-DIST

Requester: John Barrington

Field Report Prepared By:

JOHN BARRINGTON

Project ID: BMAP

Collected By:

JOHN BARRINGTON, STEVE COFONE

Sampling Agency:

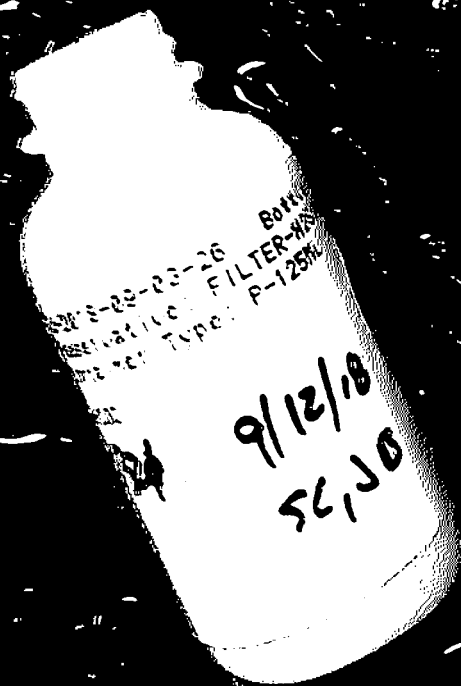
FDEP SURC 8052

|                      |                                                                                     |                                          |                                                          |                                          |               |                               |
|----------------------|-------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------|------------------------------------------|---------------|-------------------------------|
| Loc: Field ID/WIN ID |    | <input type="checkbox"/> Comp            | Collection (comp begin or grab)                          | <input checked="" type="radio"/> Eastern | Composite end | Bottle Group(s)<br>(See pg 2) |
| Field Location       | G3SD0112                                                                            | <input checked="" type="checkbox"/> Grab | Date 9/12/18 Time 1150                                   | Central                                  | Date Time     |                               |
| WIN                  | US 41, Marker # 38                                                                  | Matrix (type, e.g., Salt, Fresh, etc)    |                                                          | Diss. Oxygen                             |               |                               |
|                      |                                                                                     | FRESH                                    |                                                          | 5.43                                     |               |                               |
| Latitude             | <input type="checkbox"/> dd <input type="checkbox"/> dms                            | Longitude                                | <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)                                 | pH            | A                             |
|                      |                                                                                     |                                          |                                                          | 30.83                                    | 7.57          |                               |
|                      |                                                                                     |                                          |                                                          | Sample Depth                             | 0.3           |                               |
|                      |                                                                                     |                                          |                                                          | Sp. Conductance (umho/cm)                | 411           |                               |
| Loc: Field ID/WIN ID |    | <input type="checkbox"/> Comp            | Collection (comp begin or grab)                          | <input checked="" type="radio"/> Eastern | Composite end | Bottle Group(s)               |
| Field Location       | G3SD0113                                                                            | <input checked="" type="checkbox"/> Grab | Date 9/12/18 Time 1205                                   | Central                                  | Date Time     |                               |
| WIN/S                | Marker # 28                                                                         | Matrix (type, e.g., Salt, Fresh, etc)    |                                                          | Diss. Oxygen                             |               |                               |
|                      |                                                                                     | FRESH                                    |                                                          | 4.01                                     |               |                               |
| Latitude             | <input type="checkbox"/> dd <input type="checkbox"/> dms                            | Longitude                                | <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)                                 | pH            | A                             |
|                      |                                                                                     |                                          |                                                          | 30.61                                    | 7.44          |                               |
|                      |                                                                                     |                                          |                                                          | Sample Depth                             | 0.3           |                               |
|                      |                                                                                     |                                          |                                                          | Sp. Conductance (umho/cm)                | 411           |                               |
| Loc: Field ID/WIN ID |    | <input type="checkbox"/> Comp            | Collection (comp begin or grab)                          | <input checked="" type="radio"/> Eastern | Composite end | Bottle Group(s)               |
| Field Location       | G3SD0114                                                                            | <input checked="" type="checkbox"/> Grab | Date 9/12/18 Time 1226                                   | Central                                  | Date Time     |                               |
| V                    | Marker # 22                                                                         | Matrix (type, e.g., Salt, Fresh, etc)    |                                                          | Diss. Oxygen                             |               |                               |
|                      |                                                                                     | FRESH                                    |                                                          | 4.81                                     |               |                               |
| Latitude             | <input type="checkbox"/> dd <input type="checkbox"/> dms                            | Longitude                                | <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)                                 | pH            | A                             |
|                      |                                                                                     |                                          |                                                          | 30.70                                    | 7.44          |                               |
|                      |                                                                                     |                                          |                                                          | Sample Depth                             | 0.3           |                               |
|                      |                                                                                     |                                          |                                                          | Sp. Conductance (umho/cm)                | 413           |                               |
| Loc: Field ID/WIN ID |  | <input type="checkbox"/> Comp            | Collection (comp begin or grab)                          | <input checked="" type="radio"/> Eastern | Composite end | Bottle Group(s)               |
| Field Location       | G3SD0115                                                                            | <input checked="" type="checkbox"/> Grab | Date 9/12/18 Time 1230                                   | Central                                  | Date Time     |                               |
| WIN                  | Old Swing Bridge                                                                    | Matrix (type, e.g., Salt, Fresh, etc)    |                                                          | Diss. Oxygen                             |               |                               |
|                      |                                                                                     | FRESH                                    |                                                          | 4.64                                     |               |                               |
| Latitude             | <input type="checkbox"/> dd <input type="checkbox"/> dms                            | Longitude                                | <input type="checkbox"/> dd <input type="checkbox"/> dms | Temp (C)                                 | pH            | A                             |
|                      |                                                                                     |                                          |                                                          | 30.51                                    | 7.44          |                               |
|                      |                                                                                     |                                          |                                                          | Sample Depth                             | 0.3           |                               |
|                      |                                                                                     |                                          |                                                          | Sp. Conductance (umho/cm)                | 414           |                               |

|                  |               |                 |                            |                                                                                       |                |
|------------------|---------------|-----------------|----------------------------|---------------------------------------------------------------------------------------|----------------|
| Relinquished By: | Date/Time     | Shipping Method | Number of Coolers Shipped: | Received By:                                                                          | Date/Time      |
| JOHN BARRINGTON  | 9/12/18, 1530 | FEDEX           | 3                          |  | 09-13-18 15:45 |

|          |              |         |                 |               |                  |                                     |   |
|----------|--------------|---------|-----------------|---------------|------------------|-------------------------------------|---|
| Group: A | Bottle Type: | P-1L    | # of Bottles: 8 | Preservative: | ICE              | Enter Number of Bottles Sent to Lab | 8 |
| BOD-UNIN |              |         |                 |               |                  |                                     |   |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 8 | Preservative: | FILTER-H2SO4-ICE | Enter Number of Bottles Sent to Lab | 8 |
| W-DOC    |              |         |                 |               |                  |                                     |   |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 8 | Preservative: | HNO3             | Enter Number of Bottles Sent to Lab | 8 |
| W-ICP    |              |         |                 |               |                  |                                     |   |
| W-ICPMS  |              |         |                 |               |                  |                                     |   |
| Group: A | Bottle Type: | P-500ML | # of Bottles: 8 | Preservative: | ICE And H2SO4    | Enter Number of Bottles Sent to Lab | 8 |
| W-NO2NO3 |              |         |                 |               |                  |                                     |   |
| W-TKN    |              |         |                 |               |                  |                                     |   |
| W-TOC    |              |         |                 |               |                  |                                     |   |
| Group: A | Bottle Type: | P-125ML | # of Bottles: 8 | Preservative: | FILTER-ICE       | Enter Number of Bottles Sent to Lab | 8 |
| W-PO4-F  |              |         |                 |               |                  |                                     |   |

SA8085770 EXP 3/26/19  
NA8080070 EXP 3/21/19



S-23-23-26 Bottle  
FILTHER-M  
TYPE: P-125H

9/12/18  
56,30



Date of Request: 30-JUL-2018  
 Created By: BARRINGT\_J On: 30-JUL-2018  
 Modified By: SWANSON\_C On: 17-AUG-2018  
 Customer: SO-DIST  
 Project: BMAP  
 Division: Division of Environmental Assessment and Restoration  
 District: South District  
 Sampling Event: CALOOSA LT 3240BC

**Send Coolers To:**

Phone: 239-344-5720  
 FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: John Barrington

**Send Final Report To:**

FLDEP South District Office  
 2295 Victoria Ave. Suite 364  
 Fort Myers, FL 33901-3381  
 Attn: John Barrington

**Program Module Number:**

Priority: 3  
 Event Status: R  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 15-AUG-2018  
 Biology Request Reviewed By: SWANSON\_C On: 17-AUG-2018  
 Sampling Kit Required: YES Ship on: 24-AUG-2018  
 Sampling Kit Shipped: YES On: 21-AUG-2018  
 Sampling Kit Packed By: REAVES\_S  
 Preservatives Needed: NO  
 Date to Receive Samples: 03-SEP-2018  
 Received By: SHAIK\_A On: 13-SEP-2018

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

Comments: Group B: WBID 3240B AND 3240C

**Bottle Group A (Water) With 8 Samples:**

|                      |                      |                                                                                                                                                |
|----------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-1L    | Number of Bottles: 8 | Preserved With: ICE                                                                                                                            |
| BOD-UNIN             | Template: DEFAULT    | (SM 5210 B) BOD, NOT nitrogen-inhibited                                                                                                        |
| Bottle Type: P-125ML | Number of Bottles: 8 | Preserved With: FILTER-H2SO4-ICE                                                                                                               |
| W-DOC                | Template: DEFAULT    | (SM 5310 B-00) Dissolved Nonpurgeable Organic Carbon in filtered, aqueous matrices                                                             |
| Bottle Type: P-500ML | Number of Bottles: 8 | 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 |
| Chromium             |                      |                                                                                                                                                |
| Iron                 |                      |                                                                                                                                                |
| Zinc                 |                      |                                                                                                                                                |
| W-ICPMS              | Template: PRTY       | (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                 |                      |                                                                                                                                                |
| Nickel               |                      |                                                                                                                                                |
| Silver               |                      |                                                                                                                                                |
| Bottle Type: P-500ML | Number of Bottles: 8 | Preserved With: ICE And H2SO4                                                                                                                  |
| W-NO2NO3             | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/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: 8 | Preserved With: FILTER-ICE                                                                                                                     |
| W-PO4-F              | Template: DEFAULT    | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L                                                       |