

## ANALYTICAL REPORT

Eurofins Tampa  
6712 Benjamin Road  
Suite 100  
Tampa, FL 33634  
Tel: (813)885-7427

Laboratory Job ID: 660-116759-1  
Client Project/Site: OV317

For:  
DEP-Chemistry Section  
2600 Blirstone Road  
Tallahassee, Florida 32399-2400

Attn: Ms. Kathleen Lurding



Authorized for release by:  
1/25/2022 3:04:53 PM

Noel Savoie, Project Manager I  
(850)254-0107  
[Noel.Savoie@Eurofinset.com](mailto:Noel.Savoie@Eurofinset.com)

### LINKS

Review your project  
results through  
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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Sample Summary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 660-116759-1  | 2299032          | Water  | 01/11/22 09:34 | 01/12/22 09:40 |
| 660-116759-2  | 2299033          | Water  | 01/11/22 10:04 | 01/12/22 09:40 |

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# Case Narrative

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

**Job ID: 660-116759-1**

**Laboratory: Eurofins Tampa**

## Narrative

**Job Narrative**  
**660-116759-1**

## Comments

No additional comments.

## Receipt

The samples were received on 1/12/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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## Definitions/Glossary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

### Qualifiers

#### General Chemistry

| Qualifier | Qualifier Description                                          |
|-----------|----------------------------------------------------------------|
| U         | Indicates that the compound was analyzed for but not detected. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Detection Summary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

**Client Sample ID: 2299032**

**Lab Sample ID: 660-116759-1**

No Detections.

**Client Sample ID: 2299033**

**Lab Sample ID: 660-116759-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Tampa

## Client Sample Results

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

**Client Sample ID: 2299032**

**Lab Sample ID: 660-116759-1**

**Date Collected: 01/11/22 09:34**

**Matrix: Water**

**Date Received: 01/12/22 09:40**

### General Chemistry

| Analyte                   | Result | Qualifier | PQL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | 2.0    | U         | 2.0 | 2.0 | mg/L |   |          | 01/13/22 08:18 | 1       |

**Client Sample ID: 2299033**

**Lab Sample ID: 660-116759-2**

**Date Collected: 01/11/22 10:04**

**Matrix: Water**

**Date Received: 01/12/22 09:40**

### General Chemistry

| Analyte                   | Result | Qualifier | PQL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | 2.0    | U         | 2.0 | 2.0 | mg/L |   |          | 01/13/22 08:18 | 1       |

# QC Sample Results

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

## Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 660-248051/2

Matrix: Water

Analysis Batch: 248051

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | SCB<br>Result | SCB<br>Qualifier | PQL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|------------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | 2.0           | U                | 2.0 | 2.0 | mg/L |   |          | 01/13/22 08:18 | 1       |

Lab Sample ID: USB 660-248051/1

Matrix: Water

Analysis Batch: 248051

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | USB<br>Result | USB<br>Qualifier | PQL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|------------------|-----|-----|------|---|----------|----------------|---------|
| Biochemical Oxygen Demand | 2.0           | U                | 2.0 | 2.0 | mg/L |   |          | 01/13/22 08:18 | 1       |

Lab Sample ID: LCS 660-248051/3

Matrix: Water

Analysis Batch: 248051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Biochemical Oxygen Demand | 198            | 198           |                  | mg/L |   | 100  | 85 - 115       |

Lab Sample ID: 660-116759-1 DU

Matrix: Water

Analysis Batch: 248051

Client Sample ID: 2299032

Prep Type: Total/NA

| Analyte                   | Sample<br>Result | Sample<br>Qualifier | DU<br>Result | DU<br>Qualifier | Unit | D | RPD | RPD<br>Limit |
|---------------------------|------------------|---------------------|--------------|-----------------|------|---|-----|--------------|
| Biochemical Oxygen Demand | 2.0              | U                   | 2.0          | U               | mg/L |   | NC  | 20           |



## QC Association Summary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

### General Chemistry

#### Analysis Batch: 248051

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 660-116759-1     | 2299032            | Total/NA  | Water  | SM 5210B |            |
| 660-116759-2     | 2299033            | Total/NA  | Water  | SM 5210B |            |
| SCB 660-248051/2 | Method Blank       | Total/NA  | Water  | SM 5210B |            |
| USB 660-248051/1 | Method Blank       | Total/NA  | Water  | SM 5210B |            |
| LCS 660-248051/3 | Lab Control Sample | Total/NA  | Water  | SM 5210B |            |
| 660-116759-1 DU  | 2299032            | Total/NA  | Water  | SM 5210B |            |

Lab Chronicle

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

Client Sample ID: 2299032  
Date Collected: 01/11/22 09:34  
Date Received: 01/12/22 09:40

Lab Sample ID: 660-116759-1  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | SM 5210B     |     | 1               | 248051       | 01/13/22 08:18       | AJG     | TAL TAM |

Client Sample ID: 2299033  
Date Collected: 01/11/22 10:04  
Date Received: 01/12/22 09:40

Lab Sample ID: 660-116759-2  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | SM 5210B     |     | 1               | 248051       | 01/13/22 08:18       | AJG     | TAL TAM |

Laboratory References:  
TAL TAM = Eurofins Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

## Method Summary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

| Method   | Method Description | Protocol | Laboratory |
|----------|--------------------|----------|------------|
| SM 5210B | BOD, 5-Day         | SM       | TAL TAM    |

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

**Laboratory References:**

TAL TAM = Eurofins Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

## Accreditation/Certification Summary

Client: DEP-Chemistry Section  
Project/Site: OV317

Job ID: 660-116759-1

### Laboratory: Eurofins Tampa

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program             | Identification Number | Expiration Date |
|-----------|---------------------|-----------------------|-----------------|
| Florida   | NELAP               | E84282                | 06-30-22        |
| Georgia   | State               | E84282                | 06-30-22        |
| USDA      | US Federal Programs | P330-21-00025         | 10-18-24        |

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**STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
TASK ASSIGNMENT/NOTIFICATION FORM: LAB145**

Contract Manager: Linda Allen/Magan Bowden  
2600 Blair Stone Rd., MS 6512  
Tallahassee, FL 32399-2400

(850)-245-8084 / (850) 245-8095

Contractor: Eurofins/TestAmerica Laboratories, Inc  
5102 LaRoche Ave  
Savannah, GA 31404  
ATTN: Noel Savoie

DEP Approval By: Linda S. Allen Contractor Approval By: Noel Savoie  
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 12/20/2021

Means of Contact: Email

Task Assignment Number: OV317

Maximum Cost: \$72.50

Turnaround Time: 5 BD

Sample Delivery Date: 1/12/2022

**Project Name/Description:**

VS 1/11/22 ~~RQ-2022-01-10-1~~; Sweetwater and Salt

RQ-2022-01-10-16

| Deliverable Number/<br>Parameter Group/ | Sample<br>Matrix | # of<br>Samples | # of<br>Containers | DEP ID # | Unit<br>Cost | % Mark-<br>up (if any) | Cost    |
|-----------------------------------------|------------------|-----------------|--------------------|----------|--------------|------------------------|---------|
| <b>Method</b>                           |                  |                 |                    |          |              |                        |         |
| Quote/OV-BOD-UN                         | W                | 2               | 2                  |          | \$33.75      |                        | \$67.50 |
| BOD, NOT nitrogen-<br>inhibited         |                  |                 |                    |          |              |                        |         |
| 5210B-2011                              |                  |                 |                    |          |              |                        |         |

217/Sample Disposal Fee: 2 \$2.50 \$5.00

**Total Number of Containers Shipped:** 2 **Total:** \$72.50



660-116759 Chain of Custody

Loc: 660  
**116759**

**QC Instructions:**

**Comments:** Quote # 66017169 - 0

Samples released to Contract Lab by: Victoria Schwartz Date/Time: 1/11/22 16:00

Delivery Method: FedEx Shipping

Samples Accepted by: [Signature] Date/Time 1/12/22 9:00

\* Please sign and return by email to [Linda.S.Allen@FloridaDEP.gov](mailto:Linda.S.Allen@FloridaDEP.gov) and [Magan.Bowden@dep.state.fl.us](mailto:Magan.Bowden@dep.state.fl.us)

3.2 / 3.8

| REQUEST ID       | EVENT ID               | SAMPLE ID | FIELD ID | DATE SAMPLED    | REFERENCE METHOD | COMPONENT                 | MATRIX     | ANALYSIS   |
|------------------|------------------------|-----------|----------|-----------------|------------------|---------------------------|------------|------------|
| RQ-2022-01-10-16 | CEN-DIST-2022-01-12-02 | 2299032   | G2CE0088 | 1/11/2022 9:34  | SM 5210 B        | Biochemical Oxygen Demand | W-SURF-FRH | OV-BODUNIN |
| RQ-2022-01-10-16 | CEN-DIST-2022-01-12-02 | 2299033   | G2CE0123 | 1/11/2022 10:04 | SM 5210 B        | Biochemical Oxygen Demand | W-SURF-FRH | OV-BODUNIN |

## Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-116759-1

**Login Number: 116759**

**List Source: Eurofins Tampa**

**List Number: 1**

**Creator: Arevalo, Maria L**

| Question                                                                                 | Answer | Comment |
|------------------------------------------------------------------------------------------|--------|---------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |         |
| The cooler's custody seal, if present, is intact.                                        | True   |         |
| Sample custody seals, if present, are intact.                                            | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |         |
| Samples were received on ice.                                                            | True   |         |
| Cooler Temperature is acceptable.                                                        | True   |         |
| Cooler Temperature is recorded.                                                          | True   |         |
| COC is present.                                                                          | True   |         |
| COC is filled out in ink and legible.                                                    | True   |         |
| COC is filled out with all pertinent information.                                        | True   |         |
| Is the Field Sampler's name present on COC?                                              | True   |         |
| There are no discrepancies between the containers received and the COC.                  | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |         |
| Sample containers have legible labels.                                                   | True   |         |
| Containers are not broken or leaking.                                                    | True   |         |
| Sample collection date/times are provided.                                               | True   |         |
| Appropriate sample containers are used.                                                  | True   |         |
| Sample bottles are completely filled.                                                    | True   |         |
| Sample Preservation Verified.                                                            | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |         |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |         |
| Multiphasic samples are not present.                                                     | True   |         |
| Samples do not require splitting or compositing.                                         | True   |         |
| Residual Chlorine Checked.                                                               | N/A    |         |