

ANALYTICAL REPORT

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

Laboratory Job ID: 660-109671-1
Client Project/Site: OV199

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

Attn: Ms. Kathleen Lurding



Authorized for release by:
4/21/2021 5:23:08 PM

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

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

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: OV199

Job ID: 660-109671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-109671-1	2239909	Water	04/14/21 10:42	04/15/21 09:20	
660-109671-2	2239908	Water	04/14/21 11:40	04/15/21 09:20	

Case Narrative

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

Job ID: 660-109671-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-109671-1

Comments

No additional comments.

Receipt

The samples were received on 4/15/2021 9:20 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 2.7° 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: OV199

Job ID: 660-109671-1

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.
α	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: OV199

Job ID: 660-109671-1

Client Sample ID: 2239909

Lab Sample ID: 660-109671-1

☐ No Detections.

Client Sample ID: 2239908

Lab Sample ID: 660-109671-2

☐ No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Tampa

Client Sample Results

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

Client Sample ID: 2239909

Date Collected: 04/14/21 10:42

Date Received: 04/15/21 09:20

Lab Sample ID: 660-109671-1

Matrix: Water

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			04/15/21 11:49	1

Client Sample ID: 2239908

Date Collected: 04/14/21 11:40

Date Received: 04/15/21 09:20

Lab Sample ID: 660-109671-2

Matrix: Water

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			04/16/21 09:00	1

QC Sample Results

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 660-236621/2

Matrix: Water

Analysis Batch: 236621

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/15/21 09:08	1

Lab Sample ID: USB 660-236621/1

Matrix: Water

Analysis Batch: 236621

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/15/21 09:08	1

Lab Sample ID: LCS 660-236621/3

Matrix: Water

Analysis Batch: 236621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	189		mg/L		96	85 - 115

Lab Sample ID: 660-109635-A-2 DU

Matrix: Water

Analysis Batch: 236621

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Biochemical Oxygen Demand	2.0	U	2.0	U	mg/L		NC	20

Lab Sample ID: SCB 660-236678/2

Matrix: Water

Analysis Batch: 236678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/16/21 09:00	1

Lab Sample ID: USB 660-236678/1

Matrix: Water

Analysis Batch: 236678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	2.0	U	2.0	2.0	mg/L			04/16/21 09:00	1

Lab Sample ID: LCS 660-236678/3

Matrix: Water

Analysis Batch: 236678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	195		mg/L		98	85 - 115

Lab Sample ID: 660-109671-2 DU

Matrix: Water

Analysis Batch: 236678

Client Sample ID: 2239908

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Biochemical Oxygen Demand	2.0	U	2.0	U	mg/L		NC	20

Eurofins TestAmerica, Tampa

QC Association Summary

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

General Chemistry

Analysis Batch: 236621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-109671-1	2239909	Total/NA	Water	SM 5210B	
SCB 660-236621/2	Method Blank	Total/NA	Water	SM 5210B	
USB 660-236621/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 660-236621/3	Lab Control Sample	Total/NA	Water	SM 5210B	
660-109635-A-2 DU	Duplicate	Total/NA	Water	SM 5210B	

Analysis Batch: 236678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-109671-2	2239908	Total/NA	Water	SM 5210B	
SCB 660-236678/2	Method Blank	Total/NA	Water	SM 5210B	
USB 660-236678/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 660-236678/3	Lab Control Sample	Total/NA	Water	SM 5210B	
660-109671-2 DU	2239908	Total/NA	Water	SM 5210B	

Lab Chronicle

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

Client Sample ID: 2239909

Date Collected: 04/14/21 10:42

Date Received: 04/15/21 09:20

Lab Sample ID: 660-109671-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	236621	04/15/21 11:49	AJG	TAL TAM

Client Sample ID: 2239908

Date Collected: 04/14/21 11:40

Date Received: 04/15/21 09:20

Lab Sample ID: 660-109671-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	236678	04/16/21 09:00	AJG	TAL TAM

Laboratory References:

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

Method Summary

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

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 TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: DEP-Chemistry Section
Project/Site: OV199

Job ID: 660-109671-1

Laboratory: Eurofins TestAmerica, 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	06-30-21
Georgia	State	E84282	06-30-21
Georgia (DW)	State	905	06-30-21
USDA	US Federal Programs	P330-21-00025	02-08-24

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

Contract Manager: Trenetta Wilson/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: Trenetta L. Brinkley-Wilson

Contractor Approval By: Noel Savoie
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 3/17/2021

Means of Contact: Email

Task Assignment Number: OV199

Maximum Cost: \$72.50

Turnaround Time: 5 BD

Sample Delivery Date: 4/5/2021

Project Name/Description:

RQ-2021-04-05-13; Sweetwater/Salt Creek/Long branch

Deliverable Number/ Parameter Group/	Sample Matrix	# of Samples	# of Containers	DEP ID #	Unit Cost	% Mark- up (if any)	Cost
Method							
Quote/OV-BOD-UN	W	2	1 bottle		\$33.75		\$67.50
BOD, NOT nitrogen- inhibited							
5210B-2011							
217/Sample Disposal Fee:	2				\$2.50		\$5.00
Total Number of Containers Shipped:	2					Total:	\$72.50



660-109671 Chain of Custody

Loc: 660

109671

QC Instructions:

Comments: Quote #66015426 - 0

Samples released to Contract Lab by: Leif Boman Date/Time: 3/14/21 14:45

Delivery Method: Fedex Shipping

Samples Accepted by: [Signature] Date/Time 4/15/21 9:20

* Please sign and return by email to Trenetta.L.Wilson@floridaDEP.gov and Magan.Bowden@dep.state.fl.us

3.6/2.7 cu-03

Date of Request: 15-JAN-2021
 Created By: BOMAN_L On: 15-JAN-2021
 Modified By: JASROTIA_P On: 02-FEB-2021
 Customer: CEN-DIST
 Project: LKJES-BMAP
 Division:
 District: Central District
 Event Description: Sweetwater/Salt Creek/Long Branch

Send Coolers To:

Phone: 407-897-4178
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Natalie Ayala
 Cooler Ship EMail: natalie.ayala@dep.state.fl.us

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: JASROTIA_P On: 02-FEB-2021
 Biology Request Reviewed By: JASROTIA_P On: 02-FEB-2021
 Sampling Kit Required: YES Ship on: 19-FEB-2021
 Sampling Kit Shipped: YES On: 16-FEB-2021
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 01-MAR-2021
 Logged In By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Kalina Warren
 Report Notification EMail: natalie.ayala@dep.state.fl.us

Comments: **OVERFLOW BOD to TestAmerica-Tampa**
 Send additional:
 - documentation
 - small cooler/liner/zip tie
 - temp bottle
 - Task Assignment needs to be complete before samples arrive at Tampa Lab

Eurofins/Testamerica
 Attn: Sample Receiving
 6712 Benjamin Rd.
 Suite 100
 Tampa, FL 33634

Bottle Group A (Water) With 2 Samples:

Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		
Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
OV-BODUNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited at Eurofins Testamerica-Tampa
Biochemical Oxygen Demand		
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
Total-P		
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Kjeldahl Nitrogen		
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

EVENT ID	SAMPLE ID	SITE LOCATION	FIELD ID	DATE SAMPLED	REFERENCE METHOD	COMPONENT	MATRIX	ANALYSIS
SE-DIST-2021-04-14-01	2239323	M-D ND WWTP	EFFLUENT GRAB	4/12/2021 12:10	SM 5210 B	Carbonaceous Biochemical Oxygen Demand	W-EFFLUENT	OV-CBOD-IN
CEN-DIST-2021-04-14-02	2239478	Long Branch @ 0.7 mi DS of CR 13	G2CE0036	4/13/2021 9:47	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN
CEN-DIST-2021-04-15-01	2239908	Salt Creek @ Packard Ave.	G2CE0088	4/14/2021 11:40	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN
CEN-DIST-2021-04-15-01	2239909	Sweetwater Creek at Florida Avenue	G2CE0123	4/14/2021 10:42	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN

Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-109671-1

Login Number: 109671

List Source: Eurofins TestAmerica, 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	