

ANALYTICAL REPORT

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

Laboratory Job ID: 660-116172-1
Client Project/Site: OV288

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

Attn: Ms. Kathleen Lurding



Authorized for release by:
12/20/2021 5:01:51 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



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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: OV288

Job ID: 660-116172-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-116172-1	2294817	Water	12/13/21 12:26	12/14/21 09:25
660-116172-2	2294818	Water	12/13/21 12:42	12/14/21 09:25

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Case Narrative

Client: DEP-Chemistry Section
Project/Site: OV288

Job ID: 660-116172-1

Job ID: 660-116172-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-116172-1

Comments

No additional comments.

Receipt

The samples were received on 12/14/2021 9:25 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 1.6° 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: OV288

Job ID: 660-116172-1

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: OV288

Job ID: 660-116172-1

Client Sample ID: 2294817

Lab Sample ID: 660-116172-1

No Detections.

Client Sample ID: 2294818

Lab Sample ID: 660-116172-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	6.3		2.0	2.0	mg/L	1		SM 5210B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Tampa

Client Sample Results

Client: DEP-Chemistry Section
Project/Site: OV288

Job ID: 660-116172-1

Client Sample ID: 2294817

Date Collected: 12/13/21 12:26

Date Received: 12/14/21 09:25

Lab Sample ID: 660-116172-1

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			12/15/21 06:19	1

Client Sample ID: 2294818

Date Collected: 12/13/21 12:42

Date Received: 12/14/21 09:25

Lab Sample ID: 660-116172-2

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	6.3		2.0	2.0	mg/L			12/15/21 06:19	1

QC Sample Results

Client: DEP-Chemistry Section
Project/Site: OV288

Job ID: 660-116172-1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 660-246908/2

Matrix: Water

Analysis Batch: 246908

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			12/15/21 06:19	1

Lab Sample ID: USB 660-246908/1

Matrix: Water

Analysis Batch: 246908

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			12/15/21 06:19	1

Lab Sample ID: LCS 660-246908/3

Matrix: Water

Analysis Batch: 246908

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	197		mg/L		100	85 - 115

Lab Sample ID: 660-116160-A-1 DU

Matrix: Water

Analysis Batch: 246908

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	14		13.4		mg/L		4	20

QC Association Summary

Client: DEP-Chemistry Section
Project/Site: OV288

Job ID: 660-116172-1

General Chemistry

Analysis Batch: 246908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-116172-1	2294817	Total/NA	Water	SM 5210B	
660-116172-2	2294818	Total/NA	Water	SM 5210B	
SCB 660-246908/2	Method Blank	Total/NA	Water	SM 5210B	
USB 660-246908/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 660-246908/3	Lab Control Sample	Total/NA	Water	SM 5210B	
660-116160-A-1 DU	Duplicate	Total/NA	Water	SM 5210B	

Lab Chronicle

Client: DEP-Chemistry Section
Project/Site: OV288

Job ID: 660-116172-1

Client Sample ID: 2294817

Date Collected: 12/13/21 12:26

Date Received: 12/14/21 09:25

Lab Sample ID: 660-116172-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	246908	12/15/21 06:19	AA	TAL TAM

Client Sample ID: 2294818

Date Collected: 12/13/21 12:42

Date Received: 12/14/21 09:25

Lab Sample ID: 660-116172-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	246908	12/15/21 06:19	AA	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: OV288

Job ID: 660-116172-1

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: OV288

Job ID: 660-116172-1

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	06-30-22
Georgia	State	E84282	06-30-22
USDA	US Federal Programs	P330-21-00025	10-18-24

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

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

(850)-245-8078 / (850) 245-8095

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

DEP Approval By: Devan R Cobb-Williams Contractor Approval By: Noel Savoie
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 9/8/2021

Means of Contact: Email

Task Assignment Number: OV288

Maximum Cost: \$72.50

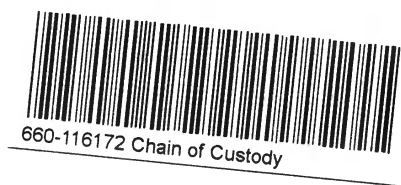
Turnaround Time: 5 BD

Sample Delivery Date: 11/1/2021

Project Name/Description:

RQ-2021-11-01-07; Sweetwater/Salt Creek

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	2 bottles		\$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



Loc: 660
116172

QC Instructions:

Comments: Quote #66015426 - 0

Samples released to Contract Lab by: _____ Date/Time: _____

Delivery Method: _____ Shipping _____

Samples Accepted by: [Signature] Date/Time 12/14/21 9:25

* Please sign and return by email to Devan.R.Cobb@dep.state.fl.us and Magan.Bowden@dep.state.fl.us

1.0/1.6

Due to some unforeseen complications with performing in-house BODs, the BOD for this RQ has been changed to overflow analysis and will need to be shipped directly from the field to the TestAmerica – Tampa Office/laboratory.

We have prepared a small cooler for you to ship to TestAmerica.

Inside there will be:

- Pre-labeled overflow sampling container
- Extra Field sheets (please fill them out for TestAmerica)
- Shipping label (to TestAmerica)
- Task Assignment form (to be used by TestAmerica | Please Sign the highlighted portion)

QC Instructions:	
Comments: Quote #66015426 - 0	
Samples released to Contract Lab by: _____	Date/Time: _____
Delivery Method: _____	Shipping: _____
Samples Accepted by: _____	Date/Time: _____
* Please sign and return by email to Trenetta.L.Wilson@floridaDEP.gov and Magan.Bowden@dep.state.fl.us	

- Return shipping labels (to be used by TestAmerica)

If you have any questions please give us a call at 850-245-8206.

REQUEST ID	EVENT ID	SAMPLE ID	FIELD ID	DATE SAMPLED	REFERENCE METHOD	COMPONENT	MATRIX	ANALYSIS
RQ-2021-11-01-07	CEN-DIST-2021-12-14-01	2294818	G2CE0123	12/13/2021 12:42	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN
RQ-2021-11-01-07	CEN-DIST-2021-12-14-01	2294817	G2CE0088	12/13/2021 12:26	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Customer: CEN-DIST

Project ID: LKJES-BMAP

Requester: **Leif Boman**

Field Report Prepared By:

Collected By:

Sampling Agency:

WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Salt Creek @ Packard Ave		Date 12/13/21 Time 1226		Date		(See pg 2)	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN ID / Field ID →		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Sweetwater Creek @ Florida Avenue		Date 12/13/21 Time 1242		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Date		A	
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Temp (C)		pH		ft		Sp. Conductance	
Salinity (ppt)		Comments		ft		umho/cm	
dd dms		dd dms		ft		umho/cm	
WIN/STORET #		Collection (comp begin or grab)					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
		FedEx	1		

Cooler Packing Worksheet for Request: RQ-2021-11-01-07

Sweetwater/Salt Creek

Ship Cooler On: 10/22/2021

Customer/Project: CEN-DIST/LKJES-BMAP

Assigned To: SHAIK_A

Requester: Leif Boman

Priority: 3

407-897-4181
FL Dept. of Environmental Protection
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

Attn: Leif Boman

Comments:

No preservatives needed.

****OVERFLOW BOD Eurofins/TestAmerica-Tampa****

Send additional:

- documentation
- small cooler/liner/zip tie
- temp bottle
- overnight shipping/handle tag to TA-Tampa
- 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
(813) 885-7427

Requested Analyses:

Bottle Group: A

of Sites: 2

Container ID: BP-1L

Qty: 2 Preservation: ICE

Lot # 132 6677

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-1L

Qty: 2 Preservation: ICE

Lot # 81379

Description: Plastic Bottle 1L

Analysis

OV-BOD-UN

Description

BOD, NOT nitrogen-inhibited at Eurofins Testamerica-Tampa

Container ID: P-500ML

Qty: 2 Preservation: ICE And H2SO4

Lot # 0081236

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

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

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

Container ID: P-125ML

Qty: 2 Preservation: FILTER-ICE

Lot # 0081571

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: P-500ML

Qty: 2 Preservation: ICE

Lot # 0081236

Description: Plastic Bottle 500 mL

Analysis

W-TSS

Description

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

Cooler Packed By: ATB

Number of Coolers: 2

Date: 10-18-21

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 _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2021-11-01-07

Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-116172-1

Login Number: 116172

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	