

ANALYTICAL REPORT

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

Laboratory Job ID: 660-109628-1
Client Project/Site: OV200

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

Attn: Ms. Kathleen Lurding



Authorized for release by:
4/20/2021 12:08:39 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

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.

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions/Glossary	5
Detection Summary	6
Client Sample Results	7
QC Sample Results	8
QC Association Summary	9
Lab Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Checklists	18



Sample Summary

Client: DEP-Chemistry Section
Project/Site: OV200

Job ID: 660-109628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-109628-1	2239478	Water	04/13/21 09:47	04/14/21 08:50	

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Case Narrative

Client: DEP-Chemistry Section
Project/Site: OV200

Job ID: 660-109628-1

Job ID: 660-109628-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-109628-1

Comments

No additional comments.

Receipt

The sample was received on 4/14/2021 8:50 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.9° 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: OV200

Job ID: 660-109628-1

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: OV200

Job ID: 660-109628-1

Client Sample ID: 2239478

Lab Sample ID: 660-109628-1

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: OV200

Job ID: 660-109628-1

Client Sample ID: 2239478

Lab Sample ID: 660-109628-1

Date Collected: 04/13/21 09:47

Matrix: Water

Date Received: 04/14/21 08:50

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			04/14/21 13:38	1

QC Sample Results

Client: DEP-Chemistry Section
Project/Site: OV200

Job ID: 660-109628-1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 660-236548/2

Matrix: Water

Analysis Batch: 236548

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			04/14/21 07:33	1

Lab Sample ID: USB 660-236548/1

Matrix: Water

Analysis Batch: 236548

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			04/14/21 07:33	1

Lab Sample ID: LCS 660-236548/3

Matrix: Water

Analysis Batch: 236548

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	185		mg/L		93	85 - 115

Lab Sample ID: 660-109523-A-1 DU

Matrix: Water

Analysis Batch: 236548

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	2.0	U	2.0	U	mg/L		NC	20

QC Association Summary

Client: DEP-Chemistry Section
Project/Site: OV200

Job ID: 660-109628-1

General Chemistry

Analysis Batch: 236548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-109628-1	2239478	Total/NA	Water	SM 5210B	
SCB 660-236548/2	Method Blank	Total/NA	Water	SM 5210B	
USB 660-236548/1	Method Blank	Total/NA	Water	SM 5210B	
LCS 660-236548/3	Lab Control Sample	Total/NA	Water	SM 5210B	
660-109523-A-1 DU	Duplicate	Total/NA	Water	SM 5210B	

Lab Chronicle

Client: DEP-Chemistry Section
Project/Site: OV200

Job ID: 660-109628-1

Client Sample ID: 2239478
Date Collected: 04/13/21 09:47
Date Received: 04/14/21 08:50

Lab Sample ID: 660-109628-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	236548	04/14/21 13:38	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: OV200

Job ID: 660-109628-1

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: OV200

Job ID: 660-109628-1

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: OV200

Maximum Cost: \$36.25

Turnaround Time: 5 BD

Sample Delivery Date: 4/12/2021

Project Name/Description:

RQ-2021-04-12-03;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	1	1 bottle		\$33.75		\$33.75
BOD, NOT nitrogen- inhibited							
5210B-2011							

217/Sample Disposal Fee: 1

\$2.50

\$2.50

Total Number of Containers Shipped: 1

Total: \$36.25



660-109628 Chain of Custody

Loc: 660

109628

QC Instructions:

Comments: Quote #66015426 - 0

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

Delivery Method: _____ Shipping _____

Samples Accepted by: [Signature] Date/Time 4/14/21 9:23

8:50 LAR

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

2.8 / 109628

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

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 # 00078144

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: Z R

Number of Coolers: 1

Date: 3-29-2021

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-2021-04-12-03

Long Branch

Ship Cooler On: 4/2/2021

Customer/Project: CEN-DIST/BMAP

Assigned To: ROBERTS_Z

Requester: Leif Boman

Priority: 3

407-897-4178

FL Dept. of Environmental Protection

3319 Maguire Blvd., Suite 232

Orlando, FL 32803-3767

Attn: Natalie Ayala

Comments:

No preservatives needed.

****OVERFLOW BOD to 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: 1**

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00076640

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 (not valid for NPDES monitoring)

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

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: Quota: #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 Trecetta.L.Wilson@floridaDEP.gov and Megan.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.

ANALYSIS	JOB ID	EVENT ID	REQUEST ID	SAMPLE ID	FIELD ID	SITE LOCATION	DATE SAMPLED
OV-BOD-UN	TLH-2021-04-14-42	CEN-DIST-2021-04-14-02	RQ-2021-04-12-03	2239478	G2CE0036	Long Branch @ 0.7 mi DS of CR 13	4/13/2021 9:47



Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-109628-1

Login Number: 109628

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	