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ANALYTICAL REPORT

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

Laboratory Job ID: 660-116174-1
Client Project/Site: OV308

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

Attn: Ms. Kathleen Lurding

Noël Savoie

Authorized for release by:
12/21/2021 8:36:25 AM

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

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Sample Summary

Client: DEP-Chemistry Section
Project/Site: OV308

Job ID: 660-116174-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-116174-1	2294835	Water	12/13/21 11:25	12/14/21 09:25

Definitions/Glossary

Client: DEP-Chemistry Section
Project/Site: OV308

Job ID: 660-116174-1

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: OV308

Job ID: 660-116174-1

Client Sample ID: 2294835 **Lab Sample ID: 660-116174-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: DEP-Chemistry Section
Project/Site: OV308

Job ID: 660-116174-1

Client Sample ID: 2294835
Date Collected: 12/13/21 11:25
Date Received: 12/14/21 09:25

Lab Sample ID: 660-116174-1
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

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: OV308

Job ID: 660-116174-1

General Chemistry

Analysis Batch: 246908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-116174-1	2294835	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: OV308

Job ID: 660-116174-1

Client Sample ID: 2294835
Date Collected: 12/13/21 11:25
Date Received: 12/14/21 09:25

Lab Sample ID: 660-116174-1
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

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: OV308

Job ID: 660-116174-1

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
Job ID: 660-116174-1
Project/Site: OV308

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: Linda Allen/Magan Bowden (850)-245-8084 / (850) 245-8095
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

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: 10/26/2021
Means of Contact: Email

Task Assignment Number: OV308 Maximum Cost: **$36.25** Turnaround Time: 5 BD

Sample Delivery Date: 12/13/2021

Project Name/Description:
RQ-2021-12-13-12;Long Branch

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

Total Number of Containers Shipped: 1 **Total:** **$36.25**

Loc: 660
116174

660-116174 Chain of Custody

QC Instructions:

Comments: Quote #66015426 - 0

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

Delivery Method: _____ Shipping

Samples Accepted by: _____ Date/Time 12/14/21 9:25

* **Please sign and return by email to** Linda.S.Allen@FloridaDEP.gov and Magan.Bowden@dep.state.fl.us

12/14/20 CU 93

Request Number: RQ-2021-12-13-12

Long Branch

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: BMAP

Requester: Leif Boman

Collected By: Elizabeth Bates

Field Report Prepared By: Katie March

Sampling Agency: 21FLCEN

Location **WIN ID / Field ID →** Long Branch @ 0.7 mi DS of CR 13 G2CE0036	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 12/13/21 Time 1125	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 5.84	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —					
WIN/STORI	Temp (C) 20.2	pH 6.72	Sample Depth 0.2	☐ ft ☑ m	Sp. Conductance (umho/cm) 294.6	A				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.14	Comments							
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments							
Locatio	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/ST	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments							
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments							

660-116174 Chain of Custody

Loc: 660 116174

660-116174 Field Sheet

660-116174 Fiel

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
KMarch	12/13/21 1600	FedEX	1		12/14/21 9:25

1.4/20 CU-09

Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	CHLSUITE-W					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab** _____
	W-ICP					
	W-ICPMS					
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** _____
	W-PO4-F					

REQUEST ID	EVENT ID	SAMPLE ID	FIELD ID	DATE SAMPLED	REFERENCE METHOD	COMPONENT	MATRIX	ANALYSIS
RQ-2021-12-13-12	CEN-DIST-2021-12-14-02	2294835	G2CE0036	12/13/2021 11:25	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN

Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-116174-1

Login Number: 116174
List Number: 1
Creator: Arevalo, Maria L

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	