

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Devan R Cobb
DEP-Chemistry Section
2600 Blirstone Road
Tallahassee Florida 32399-2400

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JOB DESCRIPTION

OV399

JOB NUMBER

660-124921-1

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Sample Summary

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-124921-1	2368873	Water	11/08/22 11:10	11/09/22 09:00

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Case Narrative

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Job ID: 660-124921-1

Laboratory: Eurofins Tampa

Narrative

Job Narrative
660-124921-1

Comments

No additional comments.

Receipt

The sample was received on 11/9/2022 9:00 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 2.0° 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: OV399

Job ID: 660-124921-1

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: OV399

Job ID: 660-124921-1

Client Sample ID: 2368873

Lab Sample ID: 660-124921-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	2.9		2.0	2.0	mg/L	1		5210B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Tampa

Client Sample Results

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Client Sample ID: 2368873

Lab Sample ID: 660-124921-1

Date Collected: 11/08/22 11:10

Matrix: Water

Date Received: 11/09/22 09:00

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM20 5210B)	2.9		2.0	2.0	mg/L			11/09/22 11:30	1

QC Sample Results

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Method: 5210B - BOD-5

Lab Sample ID: SCB 660-258371/2

Matrix: Water

Analysis Batch: 258371

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			11/09/22 11:30	1

Lab Sample ID: USB 660-258371/1

Matrix: Water

Analysis Batch: 258371

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			11/09/22 11:30	1

Lab Sample ID: LCS 660-258371/3

Matrix: Water

Analysis Batch: 258371

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	180		mg/L		91	85 - 115

Lab Sample ID: 660-124879-B-1 DU

Matrix: Water

Analysis Batch: 258371

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	3.4		3.49		mg/L		2	20

QC Association Summary

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

General Chemistry

Analysis Batch: 258371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-124921-1	2368873	Total/NA	Water	5210B	
SCB 660-258371/2	Method Blank	Total/NA	Water	5210B	
USB 660-258371/1	Method Blank	Total/NA	Water	5210B	
LCS 660-258371/3	Lab Control Sample	Total/NA	Water	5210B	
660-124879-B-1 DU	Duplicate	Total/NA	Water	5210B	

Lab Chronicle

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Client Sample ID: 2368873
Date Collected: 11/08/22 11:10
Date Received: 11/09/22 09:00

Lab Sample ID: 660-124921-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	5210B		1	258371	KA	EET TAM	11/09/22 11:30

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

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Method Summary

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Method	Method Description	Protocol	Laboratory
5210B	BOD-5	SM20	EET TAM

Protocol References:

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

Laboratory References:

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

Accreditation/Certification Summary

Client: DEP-Chemistry Section
Project/Site: OV399

Job ID: 660-124921-1

Laboratory: Eurofins Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-23

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

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

(850)-245-8084 / (850) 245-8078

Contractor: Eurofins Environmental Testing Southeast, LLC
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: 10/20/2022

Means of Contact: Email

Task Assignment Number: ³⁹⁹OV306 ¹¹⁻¹⁰⁻²² Maximum Cost: \$83.00

Turnaround Time: 5 BD

Sample Delivery Date: 10/25/2022

Project Name/Description:

RQ-2022-11-07-17; BMAP - Sweetwater and Salt

Deliverable Number/ Parameter Group/	Sample Matrix	# of Samples	# of Containers	DEP ID #	Unit Cost	% Mark- up (if any)	Cost
Method				Loc: 660 124921			
Quote/OV-BOD-UN BOD, NOT nitrogen- inhibited 5210B-2011	W	2	2		\$39.00		\$78.00
217/Sample Disposal Fee:	2				\$2.50		\$5.00
Total Number of Containers Shipped:		2				Total:	\$83.00



QC Instructions:

Comments: Quote # 66018208 - 0

Samples released to Contract Lab by: Terry Riordan Date/Time: 11/8/22 ^{7A} 1400 1600

Delivery Method: FedEx Shipping 1 cooler

Samples Accepted by: [Signature] Date/Time 11/8/22 9:00 FE 10

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

1.0/2.0 CO-07

REQUEST ID	EVENT ID	SAMPLE ID	FIELD ID	DATE SAMPLED	REFERENCE METHOD	COMPONENT	MATRIX	ANALYSIS
RQ-2022-11-07-17	CEN-DIST-2022-11-09-01	2368873	G2CE0123	11/8/2022 11:10	SM 5210 B	Biochemical Oxygen Demand	W-SURF-FRH	OV-BOD-UN



Login Sample Receipt Checklist

Client: DEP-Chemistry Section

Job Number: 660-124921-1

Login Number: 124921

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	

Eurofins Tampa

Job Notes

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the Eurofins Environment Testing Southeast LLC Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



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