

FINAL

ANALYTICAL REPORT

ETL PROJECT ID: 22-3843

10/17/2022 - Revision 0

**RICKY CORNELIUS
CITY OF VALDOSTA
1016 MYRTLE STREET
VALDOSTA, GA 31601-
TEL: (229) 259-3592
FAX: (229) 333-1899**

**CLIENT PROJECT NAME: WITHLACOOCHEE WPCP
CLIENT PROJECT ID:
FACILITY ID:**

Enclosed are the analytical results for sample(s) received by Environmental Testing Laboratories on October 12, 2022. Results reported herein are reported on an as received basis and conform to current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Sample analyses performed by Environmental Testing Laboratories, Inc. (ETL) unless otherwise noted. ETL is accredited through NELAC and the Florida Department of Health, Certification #E87684. Scope of analyses: RCRA/CERCLA Metals, General Chemistry, Extractable Organics, and Volatile Organics. Effective Dates: February 14, 2002 through June 30, 2023.

This report shall not be reproduced, except in full, without the written consent of Environmental Testing Laboratories, Inc. This report has been signed and authorized by the signatory using an electronic signature and is intended to be the legally binding equivalent of a traditionally handwritten signature.

Authorized for release by:



ENVIRONMENTAL TESTING LABORATORIES INC

412 W. Walcott Street | Thomasville, GA 31792 | Phone: (229)-228-2592 | Fax: (229)-228-2594

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Laboratory Qualifiers

- !** Data deviate from historically established concentration ranges.
- #** Surrogate compound inadvertently omitted.
- \$** Due to dilution, surrogate compound was not detected.
- *** Not reported due to interference
- ?** Data are rejected as should not be used.
- A** Value reported is the arithmetic mean (average) of two or more determinations.
- B** Results based upon colony counts outside the acceptable range.
- BRL** Analyte not detected above specified Method Detection/Reporting Limit.
- D** Measurement made in the field.
- E** Extra samples were taken at composite stations.
- F** When reporting species, F indicates the female sex.
- H** Value based on field kit determination; results may not be accurate.
- I** The reported value is between the laboratory method detection limit and the laboratory practical
- J** Estimated value.
- K** Off-scale low. Actual value is known to be less than the value given.
- L** Off-scale high. Actual value is known to be greater than the value given.
- M** Presence of material is verified but not quantified; the actual value is less than the value given.
- N** Presumptive evidence of presence of material.
- ND** Analyte not detected above specified Method Detection/Reporting Limit.
- O** Sampled, but analysis lost or not performed.
- Q** Sample held beyond the accepted holding time.
- R** Significant rain in the past 48 hours.
- S1** Surrogate recovery reported is outside of laboratory established QA/QC Limits
- S2** Analyte recovery reported is outside of laboratory established QA/QC Limits
- S3** Analyte precision reported is outside of laboratory established QA/QC Limits
- T** Value reported is less than the laboratory method detection limit.
- U** Compound was analyzed for but not detected.
- V** Indicates that the analyte was detected in both the sample and the associated method blank.
- Y** Laboratory analysis was from an improperly preserved sample. Data may not be accurate.
- Z** Too many colonies were present; numeric value represents the filtration volume.

Project Narrative



Environmental Testing Laboratories, Inc. is accredited through NELAC and the Florida Department of Health.



Solid samples are reported on a dry weight basis unless otherwise noted.



Please refer to Section 4.0 of the ETL Quality Assurance Manual for a measure of uncertainty.



All analyses are performed using EPA or FL-DEP methods and certified to meet NELAC requirements, except where noted.



Analytical Method Summary

E87684 **Environmental Testing Laboratories Inc.**
412 W. Walcott Street, Thomasville, GA 31792
(229) 228-2592

DO Meter and Incubation (SM 5210 B)

Sample Summary

Laboratory Sample ID	Client Sample ID	Matrix	End Date / Time Sampled	Grab / Composite	Percent Moisture
301993	SBR 1	AQUEOUS-Wastewater	10/11/2022 11:44	G	
301994	SBR 2	AQUEOUS-Wastewater	10/12/2022 2:45	G	
301995	SBR 3	AQUEOUS-Wastewater	10/12/2022 1:11	G	
301996	SBR 4	AQUEOUS-Wastewater	10/12/2022 4:12	G	
301997	EFF. SAMPLE	AQUEOUS-Wastewater	10/12/2022 12:10	G	

Executive Summary

Analyte	Analytical Method	Result	Units	Qualifiers	Result Comments
SBR 1 (301993)					
Biochemical Oxygen Demand	SM 5210 B	11	mg/L		
SBR 2 (301994)					
Biochemical Oxygen Demand	SM 5210 B	10	mg/L		
SBR 3 (301995)					
Biochemical Oxygen Demand	SM 5210 B	7.3	mg/L		
SBR 4 (301996)					
Biochemical Oxygen Demand	SM 5210 B	10	mg/L		
EFF. SAMPLE (301997)					
Biochemical Oxygen Demand	SM 5210 B	8.7	mg/L		

Analytical Data

Client Sample ID: SBR 1

Laboratory Sample ID: 301993

Sample Location:

Matrix: AQUEOUS-Wastewater

Date Collected: 10/11/2022 11:44 AM

Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	11		mg/L	2.0	2.0	10/12/2022 3:00:00 PM

PQL: Practical Quantitation Limit

RL: Report Limit

MDL: Method Detection Limit

DF: Dilution Factor

Analytical Data

Client Sample ID: SBR 2

Laboratory Sample ID: 301994

Sample Location:

Matrix: AQUEOUS-Wastewater

Date Collected: 10/12/2022 02:45 AM

Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	10		mg/L	2.0	2.0	10/12/2022 3:00:00 PM

PQL: Practical Quantitation Limit

RL: Report Limit

MDL: Method Detection Limit

DF: Dilution Factor

Analytical Data

Client Sample ID: SBR 3

Laboratory Sample ID: 301995

Sample Location:

Matrix: AQUEOUS-Wastewater

Date Collected: 10/12/2022 01:11 AM

Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	7.3		mg/L	2.0	2.0	10/12/2022 3:00:00 PM

PQL: Practical Quantitation Limit

RL: Report Limit

MDL: Method Detection Limit

DF: Dilution Factor

Analytical Data

Client Sample ID: SBR 4

Laboratory Sample ID: 301996

Sample Location:

Matrix: AQUEOUS-Wastewater

Date Collected: 10/12/2022 04:12 AM

Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	10		mg/L	2.0	2.0	10/12/2022 3:00:00 PM

PQL: Practical Quantitation Limit

RL: Report Limit

MDL: Method Detection Limit

DF: Dilution Factor

Analytical Data

Client Sample ID: EFF. SAMPLE

Laboratory Sample ID: 301997

Sample Location:

Matrix: AQUEOUS-Wastewater

Date Collected: 10/12/2022 12:10 PM

Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	8.7		mg/L	2.0	2.0	10/12/2022 3:00:00 PM

PQL: Practical Quantitation Limit

RL: Report Limit

MDL: Method Detection Limit

DF: Dilution Factor



Data Chronicle

Client Sample ID: SBR 1**Sample Location:****Date Collected:** 10/11/2022 11:44 AM**Laboratory Sample ID:** 301993**Matrix:** AQUEOUS-Wastewater**Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101222C	10/12/2022 3:00:00 PM	10/12/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR 2**Sample Location:****Date Collected:** 10/12/2022 02:45 AM**Laboratory Sample ID:** 301994**Matrix:** AQUEOUS-Wastewater**Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101222C	10/12/2022 3:00:00 PM	10/12/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR 3**Sample Location:****Date Collected:** 10/12/2022 01:11 AM**Laboratory Sample ID:** 301995**Matrix:** AQUEOUS-Wastewater**Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101222C	10/12/2022 3:00:00 PM	10/12/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR 4**Sample Location:****Date Collected:** 10/12/2022 04:12 AM**Laboratory Sample ID:** 301996**Matrix:** AQUEOUS-Wastewater**Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101222C	10/12/2022 3:00:00 PM	10/12/2022 3:00:00 PM	MB	E87684

Client Sample ID: EFF. SAMPLE**Sample Location:****Date Collected:** 10/12/2022 12:10 PM**Laboratory Sample ID:** 301997**Matrix:** AQUEOUS-Wastewater**Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101222C	10/12/2022 3:00:00 PM	10/12/2022 3:00:00 PM	MB	E87684

QUALITY ASSURANCE / QUALITY CONTROL DATA

J

Preparation Batch ID: BOD101222C
Method Batch ID: MBOD101222C


Analysis Method: SM 5210 B

Preparation Type: No Prep
Preparation Date: 10/12/2022 3:00:00 PM

Analyte	MDL	PQL	Result	Qual	Units	Spike Amount	% REC	% REC Low Limit	-	% REC High Limit	%RPD	% RPD Limit
QA/QC Type: MB		Lab Sample ID: BOD101222CMB			Client Sample ID: BOD101222CMB			Date Analyzed: 10/12/2022 3:00:00 PM				
Biochemical Oxygen Demand	1.0	1.0	2.0	U	mg/L							
QA/QC Type: LCS		Lab Sample ID: BOD101222CLCS			Client Sample ID: BOD101222CLCS			Date Analyzed: 10/12/2022 3:00:00 PM				
Biochemical Oxygen Demand	100	100	212		mg/L	198	107	85	-	115		
QA/QC Type: LCSD		Lab Sample ID: BOD101222CLCSD			Client Sample ID: BOD101222CLCSD			Date Analyzed: 10/12/2022 3:00:00 PM				
Biochemical Oxygen Demand	100	100	216		mg/L	198	109	85	-	115	1.9	20
QA/QC Type: DUP		Lab Sample ID: BOD101222CDUP			Client Sample ID: 301972DUP			Date Analyzed: 10/12/2022 3:00:00 PM				
Biochemical Oxygen Demand	15	15	160		mg/L						6.1	20

Comments:

Chain of Custody Record

Company: <i>City of Valdosta - Withlacoochee WPCP</i>				Environmental Testing Laboratories, Inc.  <small>ENVIRONMENTAL TESTING LABORATORIES, INC.</small> www.etl-inc.com				Page <i>1</i> of <i>1</i>				
Address: <i>3180 Wetherington Lane Vald. Ga. 31603</i>								412 W. Walcott Street Thomasville, GA 31792-4359 229/228-2592 (telephone) 229/228-2594 (telefax)				Project Name:
Telephone Number:		Telefax Number:		Analyses Requested				Project Number:				
Sampled by [Print Name(s)] / Affiliation <i>Joseph Duvall</i>								Project Manager:				
Sampler(s) Signature(s) <i>[Signature]</i>								Facility ID Number:				
								REQUESTED DUE DATE <i> / /</i>				
Item No.	Field ID No.	Sample		Grab or Composite	Matrix (see Codes)	Number of Containers					Remarks	Lab Number
		Date	Time									
<i>1</i>	<i>SBR 1</i>	<i>10-12-22</i>	<i>11:44pm</i>	<i>G</i>	<i>ww</i>	<i>1</i>	<i>5 day BOD</i>				<i>Withlacoochee</i>	<i>301993</i>
	<i>SBR 2</i>	<i>10-12-22</i>	<i>2:45am</i>	<i>G</i>	<i>ww</i>	<i>1</i>					<i>994</i>	
	<i>SBR 3</i>	<i>10-12-22</i>	<i>1:11am</i>	<i>G</i>	<i>ww</i>	<i>1</i>					<i>995</i>	
	<i>SBR 4</i>	<i>10-12-22</i>	<i>4:12am</i>	<i>G</i>	<i>ww</i>	<i>1</i>					<i>996</i>	
	<i>Eff. Sample</i>	<i>10-12-22</i>	<i>12:10am</i>	<i>Comp.</i>	<i>ww</i>	<i>1</i>					<i>997</i>	
Shipment Method				Total Number of Containers <i>5</i>						← Preservatives (see Codes) ICE: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Out:	<i>/ /</i>	Via:	Item No. <i>1</i>		Relinquished by / Affiliation <i>J. Duvall</i>		Date <i>10-12-22</i>	Time <i>8:45am</i>	Accepted by / Affiliation <i>[Signature]</i>		Date <i>10/12/22</i>	Time <i>8:45</i>
Returned:	<i>/ /</i>	Via:			<i>[Signature]</i>		Date <i>10/12/22</i>	Time <i>12:20</i>				
Additional Comments:			Cooler Number(s) / Temperature(s) (°C) <i>3.5</i>		Sampling Kit Number		Received in Lab By: <i>[Signature]</i>		Date <i>10/12/22</i>		Time <i>12:20</i>	
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Wastewater O = Other (specify) PRESERVATIVE CODES: H = Hydrochloric acid S = Sulfuric acid N = Nitric Na = Sodium Hydroxide O = Other (specify) PRESERVATIVE CODES: SOIL VOCS MS = Methanol / Sodium Bisulfate MD = Methanol / DI Water												
ETL PROJECT NO.										<i>22-3843</i>		



Project Receipt Summary

22-3843

Project Details

Client: CITY OF VALDOSTA

Project Name: WITHLACOOCHEE

Shipping and Receiving

Date/Time Received: 10/12/2022 12:20:00 PM If present, were cooler custody seals intact?

Sampling Personnel: JOSEPH D. Yes No N/A

Shipping Method: Laboratory Courier If present, were sample bottle custody seals intact

Shipping Tracking Number: Yes No N/A

Thermal Preservation

Cooler Temp Method: Sample Temperature Were cooler temperatures in compliance? (0.1-6.0C)

Thermometer ID: 3 Yes No N/A

Number of Coolers: 1 Cooler Temperatures: 3.1

Chain of Custody

Was the chain-of-custody received in coolers? Yes No N/A

Was the chain-of-custody signed and properly relinquished? Yes No N/A

Does the chain-of-custody agree with samples and analyses? Yes No N/A

Container Receipt

Were samples received in appropriate bottleware for analyses? Yes No N/A

Was sufficient volume submitted for analyses requested? Yes No N/A

Were samples received within method holding times? Yes No N/A

Were VOA vials received with zero headspace? Yes No N/A

Were aqueous samples received at an acceptable pH? Yes No N/A

pH Test Strip Manufacturer / Lot #: MQUANT/HC04265Z

Comments

I certify I have answered the questions contained herein to the best of my knowledge and have affixed labels with unique IDs onto each sample container received. I certify any discrepancies regarding the samples as received by the laboratory have been documented completely in the comments section of this form.

Mitchell Foo

Project Sample Detail

Lab Sample ID	Client Sample ID	Matrix	SPLP	TRPH Speciation	MaVPH MaEPH
301993 301993-E1 (BOD)	SBR 1	AQUEOUS-Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
301994 301994-E1 (BOD)	SBR 2	AQUEOUS-Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
301995 301995-E1 (BOD)	SBR 3	AQUEOUS-Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
301996 301996-E1 (BOD)	SBR 4	AQUEOUS-Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
301997 301997-E1 (BOD)	EFF. SAMPLE	AQUEOUS-Wastewater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Project Bottle Count Summary

Container Type	Preservative	Number of Containers
HDPE Plastic	NONE	5
Total		5