FINAL
ANALYTICAL REPORT

ETL PROJECT ID: 22-3887 **10/21/2022 - 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
CLIENT PROJECT ID:
FACILITY ID:

Enclosed are the analytical results for sample(s) received by Environmental Testing Laboratories on October 14, 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.

Authorized for release by:

Brad Williams
Digitally signed by Brad Williams
Date: 2022.10.26 15:17:55 -04'00'

ENVIRONMENTAL TESTING LABORATORIES INC

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

Table of Contents

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 fied 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

#E87684

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
302121	SBR-1	AQUEOUS-Wastewater	10/13/2022	23:43	G	
302122	SBR-2	AQUEOUS-Wastewater	10/14/2022	2:44	G	
302123	SBR-3	AQUEOUS-Wastewater	10/14/2022	1:13	G	
302124	SBR-4	AQUEOUS-Wastewater	10/14/2022	4:11	G	
302125	EFF SAMPLE	AQUEOUS-Wastewater	10/14/2022	8:30	C	

Executive Summary

Analyte	Analytical Method	Result	Units	Qualifiers	Result Comments
SBR-1 (302121)					
Biochemical Oxygen Demand	SM 5210 B	11	mg/L		
SBR-2 (302122)					
Biochemical Oxygen Demand	SM 5210 B	7.7	mg/L		
SBR-3 (302123)					
Biochemical Oxygen Demand	SM 5210 B	5.8	mg/L		
SBR-4 (302124)					
Biochemical Oxygen Demand	SM 5210 B	6.3	mg/L		
EFF SAMPLE (302125)					
Biochemical Oxygen Demand	SM 5210 B	11	mg/L		

Analytical Data

Client Sample ID: SBR-1
Laboratory Sample ID: 302121
Sample Location:
Matrix: AQUEOUS-Wastewater
Date Collected: 10/13/2022 11:43 PM
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	10/14/2022 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
Sample Location:
Date Collected: 10/14/2022 02:44 AM

Laboratory Sample ID: 302122
Matrix: AQUEOUS-Wastewater
Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	7.7		mg/L	2.0	2.0	10/14/2022 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
Sample Location:
Date Collected: 10/14/2022 01:13 AM

Laboratory Sample ID: 302123
Matrix: AQUEOUS-Wastewater
Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	**5.8**		mg/L	2.0	2.0	10/14/2022 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: 302124
Sample Location:
Matrix: AQUEOUS-Wastewater
Date Collected: 10/14/2022 04:11 AM
Percent Moisture:

General Chemistry

Analyte	DF	Result	Qualifier	Units	MDL	PQL	Analysis Date
Biochemical Oxygen Demand	1.0	**6.3**		mg/L	2.0	2.0	10/14/2022 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: 302125
Sample Location:
Matrix: AQUEOUS-Wastewater
Date Collected: 10/14/2022 08:30 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	10/14/2022 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 **Laboratory Sample ID:** 302121
Sample Location: **Matrix:** AQUEOUS-Wastewater
Date Collected: 10/13/2022 11:43 PM **Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101422A	10/14/2022 3:00:00 PM	10/14/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR-2 **Laboratory Sample ID:** 302122
Sample Location: **Matrix:** AQUEOUS-Wastewater
Date Collected: 10/14/2022 02:44 AM **Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101422A	10/14/2022 3:00:00 PM	10/14/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR-3 **Laboratory Sample ID:** 302123
Sample Location: **Matrix:** AQUEOUS-Wastewater
Date Collected: 10/14/2022 01:13 AM **Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101422A	10/14/2022 3:00:00 PM	10/14/2022 3:00:00 PM	MB	E87684

Client Sample ID: SBR-4 **Laboratory Sample ID:** 302124
Sample Location: **Matrix:** AQUEOUS-Wastewater
Date Collected: 10/14/2022 04:11 AM **Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101422A	10/14/2022 3:00:00 PM	10/14/2022 3:00:00 PM	MB	E87684

Client Sample ID: EFF SAMPLE **Laboratory Sample ID:** 302125
Sample Location: **Matrix:** AQUEOUS-Wastewater
Date Collected: 10/14/2022 08:30 AM **Percent Moisture:**

Prep	Analysis	Analytical Method	Dilution	Batch	Prepared	Analyzed	Analyst	Lab
TOT	RES	SM 5210 B	1.0	BOD101422A	10/14/2022 3:00:00 PM	10/14/2022 3:00:00 PM	MB	E87684

QUALITY ASSURANCE / QUALITY CONTROL DATA

Preparation Batch ID: BOD101422A | Analysis Method: SM 5210 B | Preparation Type: No Prep

Method Batch ID: MBOD101422A | Preparation Date: 10/14/2022 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: LCS	Lab Sample ID: BOD101422ALCS				Client Sample ID: BOD101422ALCS						Date Analyzed: 10/14/2022 3:00:00 PM	
Biochemical Oxygen Demand	100	100	202		mg/L	198	102	85	-	115		
QA/QC Type: LCSD	Lab Sample ID: BOD101422ALCSD				Client Sample ID: BOD101422ALCSD						Date Analyzed: 10/14/2022 3:00:00 PM	
Biochemical Oxygen Demand	100	100	195		mg/L	198	98.5	85	-	115	3.5	20
QA/QC Type: DUP	Lab Sample ID: BOD101422ADUP				Client Sample ID: 302137DUP						Date Analyzed: 10/14/2022 3:00:00 PM	
Biochemical Oxygen Demand	15	15	170		mg/L							20

Comments:

Chain of Custody Record

Company: Withlacoochee – City of Valdosta

Address: 3180 Weathington Lane Valdosta, Ga. 31603

Telephone Number: Telefax Number:

Sampled by [Print Name(s)] / Affiliation: Joseph Duvall Asst Supt.

Sampler(s) Signature(s):

Environmental Testing Laboratories, Inc.
412 W. Walcott Street
Thomasville, GA 31792-4359
229/228-2592 (telephone)
229/228-2594 (telefax)
www.etl-inc.com

Page 1 of 1

Project Name:

Project Number:

Project Manager:

Facility ID Number:

REQUESTED DUE DATE: 10/21/22

Analyses Requested: 5 day B.O.D.

Item No.	Field ID No.	Sample Date	Sample Time	Grab or Composite	Matrix (see Codes)	Number of Containers	Remarks	Lab Number
1	SBR 1	10-13-22	11:43 pm	Grab	WW	1	Withlacoochee	302121
2	SBR 2	10-14-22	2:44 am	Grab	WW	1		122
3	SBR 3	10-14-22	1:13 am	Grab	WW	1		123
4	SBR 4	10-14-22	4:01 am	Grab	WW	1		124
5	Eff. Sample	10-14-22	8:30 am	Comp.	WW	1		125

Shipment Method

Total Number of Containers: 5

← Preservatives (see Codes) ICE: ☒ Yes ☐ No

Out: / / Via:

Returned: / / Via:

Additional Comments:

Item No.	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
1	J. Duvall	10-14-22	10:34 am			

Cooler Number(s) / Temperature(s) (°C): 1 @ 3 °C

Sampling Kit Number:

Received in Lab By: ETL — 10.14.22 — 10:34

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. 22-3867

ENVIRONMENTAL TESTING LABORATORIES INC

Project Receipt Summary

22-3887

Project Details

Client: CITY OF VALDOSTA

Project Name: WITHLACOOCHEE

Shipping and Receiving

Date/Time Received: 10/14/2022 10:34:00 AM

Sampling Personnel: JOSEPH D.

Shipping Method: Client Drop-Off

Shipping Tracking Number:

If present, were cooler custody seals intact?

○ Yes ○ No ◉ N/A

If present, were sample bottle custody seals intact

○ Yes ○ No ◉ N/A

Thermal Preservation

Cooler Temp Method: Sample Temperature

Thermometer ID: 160372413

Number of Coolers: 1

Were cooler temperatues in compliance? (0.1-6.0C)

○ Yes ◉ No ○ N/A

Cooler Temperatures: 11.3

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 aqeuous samples received at an acceptable pH?	◉ Yes	○ No	○ N/A

pH Test Strip Manufacturer / Lot #: MQUANT/HC042657

Comments

- SAMPLES WERE IN COOLING PROCESS

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.

Matthew Bigley

ENVIRONMENTAL TESTING LABORATORIES INC

Project Receipt Summary

22-3887

Project Sample Detail

Lab Sample ID	Client Sample ID	Matrix	SPLP	TRPH Speciation	MaVPH MaEPH
302121 302121-E1 (BOD)	**SBR-1**	**AQUEOUS-Wastewater**	☐	☐	☐
302122 302122-E1 (BOD)	**SBR-2**	**AQUEOUS-Wastewater**	☐	☐	☐
302123 302123-E1 (BOD)	**SBR-3**	**AQUEOUS-Wastewater**	☐	☐	☐
302124 302124-E1 (BOD)	**SBR-4**	**AQUEOUS-Wastewater**	☐	☐	☐
302125 302125-E1 (BOD)	**EFF SAMPLE**	**AQUEOUS-Wastewater**	☐	☐	☐

ENVIRONMENTAL TESTING LABORATORIES INC

Project Receipt Summary

22-3887

Project Bottle Count Summary

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