



ENVIRO-AUDIT & COMPLIANCE, INC.

January 12, 2021

Ms. Ashlee Edwards
Environmental Data Scientist
Stormwater Environmental Utility
Sarasota County Public Works Department
1001 Sarasota Center Boulevard
Sarasota, FL 34240

Re: Lakewood Ranch Waterside
Surface Water Quality Monitoring Program
2020 Annual Monitoring Report

Dear Ms. Edwards:

Enviro-Audit & Compliance, Inc. (EAC) has completed the 2020 annual monitoring for the Lakewood Ranch Waterside monitoring program.

Surface Water samples were collected at station SW-1 in February, June, September and November 2020.

Station SW-2 was dry at the time of the performance of all quarterly monitoring events.

A summary table, the laboratory reports, and the Surface Water Field Data Sheets are attached.

If you have any questions, please do not hesitate to contact our office.

Respectfully,

Joe K Buerhop

Joe K. Buerhop, P.G.
President

Attachments

cc: Joe Kraus, Sarasota County
John Ryan, Sarasota County
Beth Andrews, Stantec

**Table 1
Lakewood Ranch Waterside
Surface Water Station SW-1**

Sample Date	Total Ammonia (mg/L)	Kjeldhal Nitrogen (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Specific Conductance (umhos/cm)
2/27/2020	0.008 U	2.34	0.025	2.37	0.010 i	1203
6/17/2020	0.063	1.99	0.006 U	1.99	0.057	464
9/30/2020	0.122	2.20	0.078	2.28	0.149	563
11/5/2020	0.022 i	2.31	0.026	2.34	0.057	578
Standard		*	*	*	*	≤1275

Sample Date	Fecal Coliform Bacteria (cfu/100 ml)	Escherichia Coli Bacteria (cfu/100 ml)	Dissolved Oxygen Saturation (%)	Turbidity (NTU)	Water Temperature (°F)	BOD5 (mg/L)
2/27/2020	1 U	2420 Z	80.5	4.09	64.2	1.44 i
6/17/2020	29	19	65.9	0.00	79.2	1 U
9/30/2020	210	219	79.1	0.40	73.8	1 U
11/5/2020	330	373	74.3	0.90	71.8	1 U
Standard	≤800	*	**	≤29	*	*

Sample Date	Chlorophyll A - Corrected for Pheophytin (mg/m3)	Water Velocity (ft/sec)	Water Depth (ft)	Sample Depth (inches below surface)
2/27/2020	3.63	¥	0.4	3
6/17/2020	10.8	1.7	1.3	3
9/30/2020	1.75	¥	1.3	3
11/5/2020	3.44	0.78	0.8	3
Standard	*	*	*	*

* = No applicable class III state standard

** = See Chapter 62-302 FAC

U= Compound was analyzed for but not detected

i = results fell between MDL and PQL

Total Nitrogen = Kjeldhal Nitrogen + Nitrate/Nitrite

¥ = Definate Flow observed; however, below instrument detection.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

Table 2
Lakewood Ranch Waterside
Surface Water Station SW-2

Sample Date	Total Ammonia (mg/L)	Kjeldhal Nitrogen (mg/L)	Nitrate / Nitrite (mg/L)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Specific Conductance (umhos/cm)
2/27/2020						Dry
6/17/2020						Dry
9/30/2020						Dry
11/5/2020						Dry
Standard	*	*	*	*	*	≤1275

Sample Date	Fecal Coliform Bacteria (cfu/100 ml)	Escherichia Coli Bacteria (cfu/100 ml)	Dissolved Oxygen Saturation (%)	Turbidity (NTU)	Water Temperature (°F)	BOD5 (mg/L)
2/27/2020						Dry
6/17/2020						Dry
9/30/2020						Dry
11/5/2020						Dry
Standard	≤800	*	**	≤29	*	*

Sample Date	Chlorophyll A - Corrected for Pheophytin (mg/m3)	Water Velocity (ft/sec)	Water Depth (ft)	Sample Depth (inches below surface)
2/27/2020				Dry
6/17/2020				Dry
9/30/2020				Dry
11/5/2020				Dry
Standard	*	*	*	*

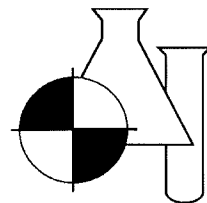
* = No applicable class III state standard

** = See Chapter 62-302 FAC

Total Nitrogen = Kjeldhal Nitrogen + Nitrate/Nitrite

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EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 20021475

Enviro-Audit Compliance, Inc.
5306 Us 41 N.
Palmetto, FL 34221

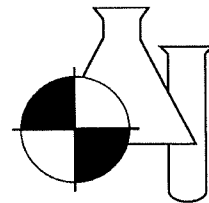
Project Name : LWR - WATERSIDE
Date Received : 02/27/2020
Time Received : 1355

Submission Number: 20021475 Sample Date: 02/27/2020
Sample Number: 001 Sample Time: 1115
Sample Description: 20-025 (S-1) Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	03/03/2020 12:47	CE
TOTAL KJELDAHL NITROGEN	2.34	MG/L	0.05	0.20	351.2	03/03/2020 12:32	CB
TOTAL PHOSPHORUS AS P	0.010 I	MG/L	0.008	0.032	365.3	02/28/2020 15:39	HS
CHLOROPHYLL A	3.63	MG/M3	0.25	1.00	445.0	03/02/2020 13:58	PN
BIOCHEMICAL OXYGEN DEMAND	1.44 I	MG/L	1	4	SM5210B	02/28/2020 13:19	LD/LD
FECAL COLIFORM	1 U	#/100 ML	1	1	SM9222D	02/27/2020 14:58	LG
E- COLI BY IDEXX QUANTITRAY	2420 Z	#/100 ML	1	1	SM9223B	02/27/2020 14:33	KD
NITRATE+NITRITE AS N	0.025	MG/L	0.006	0.024	SYSTEAS EASY	03/03/2020 11:10	JW
TOTAL NITROGEN	2.37	MG/L	0.05	0.20	SYSTEAS+351	03/03/2020 11:10	CB/JW

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03/05/2020

Dale D. Dixon / Laboratory Director

Date

Tülay Tanrisever / Kara Peterson - QC/QA Officers

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated value. Data questionable due to improper lab or field protocols.
K = Off-scale low. Value is known to be < the value reported.
L = Off-scale high. Value is known to be > the value reported.
N = Presumptive evidence of presence of material.
O = Sampled, but analysis lost or not performed.

Q = Sample held beyond accepted hold time.
T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.
U = Analyte analyzed but not detected at the value indicated.
V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
! = Data deviate from historically established concentration ranges.
? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
* = Not reported due to interference.
Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.
PQL = 4xMDL.
ND = Not detected at or above the adjusted reporting limit.
X = Value exceeds MCL.
G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.

COMMENTS:

Chlorophyll A lab filtered on 02/25/20 at 1550.

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc

1711 12th Street East
 Palmetto, FL. 34221
 941-723-9986
 941-723-6061

www.Benchmarkea.com

WIN EDD

Client Name:

Enviro-Audit & Compliance, Inc.

P.O. Box 7

Palmetto Fl 34220

941-721-7800

Email Report: Joe Buerhop jbuerhop@enviro-audit.com

Project Name: LWR – Waterside

Laboratory Submission # :	20021475
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Station ID	Sample Matrix ²	Sample Type ¹	Parameters, Preservative ⁴ , Container Type ³				Laboratory Sample #
			TKN NH ₃ NO ₃ +NO ₂ TP TN	BOD ₅	Chlorophyll a Filtered 2/25/2020 @ 15:50	Fecal Coliform E.coli	
			1:4 H ₂ SO ₄ pH<2 <input checked="" type="checkbox"/>	Plain	Plain	NaThio	
			1 x 1/2 Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	2 x 100mL Sterile Plastic	
20-025(S-1)	GW	G	Date & Time: 2/27/20 11:15				1
	GW	G	Date & Time:				2

- 1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
- 2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
- 3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
- 4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F). Under "Preservative," list any preservatives that were added to the sample container.

Instructions:

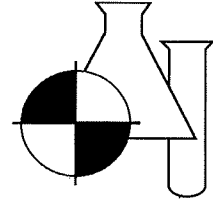
- 1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- 2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- 3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
- 4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

<u>Laboratory Sample Acceptability</u>	
pH<2 <input checked="" type="checkbox"/>	Temperature: 4.50C

1	Collector: <i>[Signature]</i>	Date: 1355	Time: 2/27/20	Received By: <i>[Signature]</i>	Date: 2-27-20	Time: 1355
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 20061029

Enviro-Audit Compliance, Inc.
5306 Us 41 N.
Palmetto, FL 34221

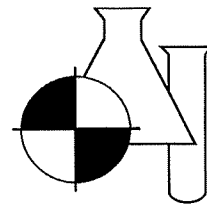
Project Name : LWR - WATERSIDE
Date Received : 06/17/2020
Time Received : 1030

Submission Number: 20061029	Sample Date: 06/17/2020
Sample Number: 001	Sample Time: 0930
Sample Description: 20-081 (SW-1)	Sample Method: Grab

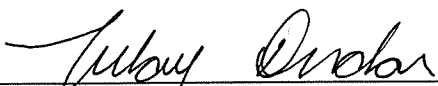
Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.063	MG/L	0.008	0.032	350.1	06/19/2020 14:41	CE
TOTAL KJELDAHL NITROGEN	1.99	MG/L	0.05	0.20	351.2	06/22/2020 12:18	HS
TOTAL PHOSPHORUS AS P	0.057	MG/L	0.008	0.032	365.3	06/24/2020 12:32	HS
CHLOROPHYLL A	10.8	MG/M3	0.25	1.00	445.0	06/25/2020 13:46	PN
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	06/17/2020 13:11	LD/LD
FECAL COLIFORM	29	#/100 ML	1	1	SM9222D	06/17/2020 13:58	LG
E- COLI BY IDEXX QUANTITRAY	19	#/100 ML	1	1	SM9223B	06/17/2020 12:07	LG
NITRATE+NITRITE AS N	0.006 U	MG/L	0.006	0.024	SYSTEAS EASY	06/23/2020 12:02	JW
TOTAL NITROGEN	1.99	MG/L	0.05	0.20	SYSTEAS+351	06/23/2020 12:02	HS/JW

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NELAC Certification #E84167


Dale D. Dixon / Laboratory Director

06/26/2020

Date

Tülay Tanrısever - Technical Director/QC Officer

Kara Peterson - QA Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
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Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
! = Data deviate from historically established concentration ranges.
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* = Not reported due to interference.
Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.
PQL = 4xMDL.
ND = Not detected at or above the adjusted reporting limit.
X = Value exceeds MCL.
G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.

COMMENTS:

Chlorophyll A lab filtered on 06/17/20 at 1245.

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc

1711 12th Street East

Palmetto, FL. 34221

941-723-9986

941-723-6061

www.Benchmark.com

WIN EDD

Project Name: LWR – Waterside

Client Name: **Enviro-Audit & Compliance, Inc.**

P.O. Box 7

Palmetto FL 34220

941-721-7800

Email Report: Joe Buerhop jbuerhop@enviro-audit.com

Laboratory Submission # :	20061029
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Station ID	Sample Matrix ²	Sample Type ¹	Parameters, Preservative ⁴ , Container Type ³				Laboratory Sample #
			TKN NH ₃ NO ₃ +NO ₂ TP TN	BOD ₅	Chlorophyll a Filtered 6/17/20 @ 12:45	Fecal Coliform E.coli	
			1:4 H ₂ SO ₄ pH < 2 ✓	Plain	Plain	NaThio	
			1 x 1/2 Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	2 x 100mL Sterile Plastic	
20-081 (SW-1)	GW	G	Date & Time: 6/17/20 0930				1
	GW	G	Date & Time:				2

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
 2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
 3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
 4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
 Under "Preservative," list any preservatives that were added to the sample container.

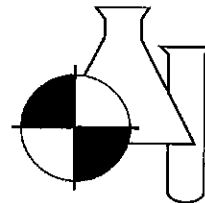
Instructions:
 1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
 2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
 3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
 4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability	
pH < 2 ✓	Temperature: 3.1

1	Collector: <i>[Signature]</i>	Date: 6/17/20	Time: 1030	Received By: <i>[Signature]</i>	Date: 6-17-20	Time: 1030
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 20091843

Enviro-Audit & Compliance, Inc
P.O. Box 7
Palmetto, FL 34220

Project Name : LWR - WATERSIDE
Date Received : 09/30/2020
Time Received : 1130

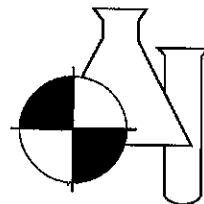
Joe Buerhop

Submission Number: 20091843	Sample Date: 09/30/2020
Sample Number: 001	Sample Time: 0940
Sample Description: 20-119 (SW-1)	Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.122	MG/L	0.008	0.032	350.1	10/01/2020 11:31	JW
TOTAL KJELDAHL NITROGEN	2.20	MG/L	0.05	0.20	351.2	10/15/2020 14:00	JW
TOTAL PHOSPHORUS AS P	0.149	MG/L	0.008	0.032	365.3	10/02/2020 12:18	SKB
CHLOROPHYLL A	1.75	MG/M3	0.25	1.00	445.0	10/02/2020 09:30	LG/JR
BIOCHEMICAL OXYGEN DEMAND	1.0 U	MG/L	1.0	4.0	SM5210B	09/30/2020 14:00	LD/LD
FECAL COLIFORM	210	#/100 ML	1	1	SM9222D	09/30/2020 13:50	LG
E- COLI BY IDEXX QUANTITRAY	219	#/100 ML	1	1	SM9223B	09/30/2020 13:20	LG
NITRATE+NITRITE AS N	0.078	MG/L	0.008	0.024	SYSTEAS EASY	10/01/2020 13:48	SZ
TOTAL NITROGEN	2.28	MG/L	0.05	0.20	SYSTEAS+351	10/15/2020 14:00	JW/SZ

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EnviroAnalytical Inc.



NELAC Certification #E84167

10/15/2020

Dale D. Dixon / Laboratory Director

Date

Tülay Tanrisever - Technical Director/QC Officer

Kara Peterson - QA Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

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H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

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L = Off-scale high. Value is known to be > the value reported.

N = Presumptive evidence of presence of material.

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* = Not reported due to interference.

Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.

PQL = 4xMDL.

ND = Not detected at or above the adjusted reporting limit.

COMMENTS:

Chlorophyll A lab filtered on 09/30/20 at 1420.

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc

1711 12th Street East
 Palmetto, FL. 34221
 941-723-9986
 941-723-6061

www.Benchmark.com

WIN EDD

Project Name: LWR – Waterside

Client Name: **Enviro-Audit & Compliance, Inc.**

P.O. Box 7
 Palmetto FL 34220
 941-721-7800

Email Report: Joe Buerhop jbuerhop@enviro-audit.com

Laboratory Submission # : **20091843**

Station ID	Sample Matrix ²	Sample Type ¹	Parameters, Preservative ⁴ , Container Type ³				Laboratory Sample #
			TKN NH ₃ NO ₃ +NO ₂ TP TN	BOD ₅	Chlorophyll a Filtered 9/30/20 @ 14:20	Fecal Coliform E.coli	
			1:4 H ₂ SO ₄ pH<2 <input checked="" type="checkbox"/>	Plain	Plain	NaThio	
			1 x 1/2 Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	2 x 100mL Sterile Plastic	
20-119 (SW-1)	GW	G	Date & Time: 9/30/20 0940				1
	GW	G	Date & Time:				2

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
 2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
 3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
 4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
 Under "Preservative," list any preservatives that were added to the sample container.

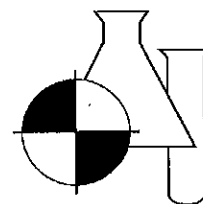
- Instructions:**
- Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
 - The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
 - All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
 - The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability
 pH < 2 Temperature: 4.2°C

	Collector:	Date:	Time:	Received By:	Date:	Time:
1	<i>[Signature]</i> / EAC	9/30/20	1125	<i>[Signature]</i>	9-30-20	1130
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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EnviroAnalytical Inc.



NELAC Certification #E84167

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 20110270

Enviro-Audit Compliance, Inc.
5306 Us 41 N.
Palmetto, FL 34221

Project Name : LWR - WATERSIDE
Date Received : 11/05/2020
Time Received : 1300

Submission Number:	20110270	Sample Date:	11/05/2020
Sample Number:	001	Sample Time:	0935
Sample Description:	20-151(Field Blank)	Sample Method:	Grab

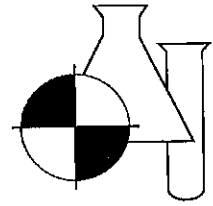
Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.008 U	MG/L	0.008	0.032	350.1	11/05/2020 17:51	JW
TOTAL KJELDAHL NITROGEN	0.05 U	MG/L	0.05	0.20	351.2	11/19/2020 16:00	IE
TOTAL PHOSPHORUS AS P	0.008 U	MG/L	0.008	0.032	365.3	11/06/2020 14:05	CE
CHLOROPHYLL A	0.25 U	MG/M3	0.25	1.00	445.0	11/10/2020 09:00	SZ
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	11/06/2020 13:40	LD/LD
FECAL COLIFORM	1 U	#/100 ML	1	1	SM9222D	11/05/2020 14:35	LG
E- COLI BY IDEXX QUANTITRAY	1 U	#/100 ML	1	1	SM9223B	11/05/2020 14:26	LG
NITRATE+NITRITE AS N	0.006 U	MG/L	0.006	0.024	SYSTEAS EASY	11/11/2020 10:58	SZ
TOTAL NITROGEN	0.05 U	MG/L	0.05	0.20	SYSTEAS+351	11/19/2020 16:00	IE/SZ

Submission Number:	20110270	Sample Date:	11/05/2020
Sample Number:	002	Sample Time:	0945
Sample Description:	20-152 (SW-1)	Sample Method:	Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.022 I	MG/L	0.008	0.032	350.1	11/05/2020 17:53	JW
TOTAL KJELDAHL NITROGEN	2.31	MG/L	0.05	0.20	351.2	11/16/2020 13:14	IE
TOTAL PHOSPHORUS AS P	0.057	MG/L	0.008	0.032	365.3	11/06/2020 14:06	CE
CHLOROPHYLL A	3.44	MG/M3	0.25	1.00	445.0	11/10/2020 09:00	SZ
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	11/06/2020 13:40	LD/LD
FECAL COLIFORM	330	#/100 ML	10	10	SM9222D	11/05/2020 14:35	LG
E- COLI BY IDEXX QUANTITRAY	373	#/100 ML	10	10	SM9223B	11/05/2020 14:26	LG
NITRATE+NITRITE AS N	0.026	MG/L	0.006	0.024	SYSTEAS EASY	11/11/2020 10:59	SZ
TOTAL NITROGEN	2.34	MG/L	0.05	0.20	SYSTEAS+351	11/16/2020 13:14	IE/SZ

BENCHMARK

EnviroAnalytical Inc.



NELAC Certification #E84167

11/19/2020

Dale D. Dixon / Laboratory Director

Date

Tülay Tarrisever - Technical Director/QC Officer

Kara Peterson - QA Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated value. Data questionable due to improper lab or field protocols.
K = Off-scale low. Value is known to be < the value reported.
L = Off-scale high. Value is known to be > the value reported.
N = Presumptive evidence of presence of material.
O = Sampled, but analysis lost or not performed.
Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.
U = Analyte analyzed but not detected at the value indicated.
V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.
Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.
Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.
| = Data deviate from historically established concentration ranges.
? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
* = Not reported due to interference.
Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

NOTES:

MBAS calculated as LAS; molecular weight = 340.
PQL = 4xMDL.
ND = Not detected at or above the adjusted reporting limit.

COMMENTS:

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc

1711 12th Street East
 Palmetto, FL. 34221
 941-723-9986
 941-723-6061

www.Benchmark.com

WIN EDD

Project Name: LWR – Waterside

Client Name: **Enviro-Audit & Compliance, Inc.**

P.O. Box 7
 Palmetto Fl 34220
 941-721-7800

Email Report: Joe Buerhop jbuerhop@enviro-audit.com

Laboratory Submission # : **20110270**

Station ID	Sample Matrix ²	Sample Type ¹	Parameters, Preservative ⁴ , Container Type ³				Laboratory Sample #
			TKN NH ₃ NO ₃ +NO ₂	TP NH ₃	BOD ₅	Chlorophyll a	
			1:4 H ₂ SO ₄ pH<2		Plain	Plain	NaThio
			1 x ½ Pint Plastic		1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	2 x 100mL Sterile Plastic
20-151 (Field Blank)	SW GW	G	Date & Time: 11/5/20 0935				1
20-152 (SW-1)	SW GW	G	Date & Time: 11/5/20 0945				2

1 "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
 2 "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDMNT), or sludge (SLDG).
 3 "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
 4 Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).
 Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
 1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
 2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
 3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
 4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability
 pH<2 Temperature: 0.9°C

1	Collector: <i>[Signature]</i>	Date: 11/5/20	Time: 1300	Received By: <i>[Signature]</i>	Date: 11-5-20	Time: 1300
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
3	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

