February 13, 2019

Mr. John Ryan Environmental Manager Sarasota County Water Resources 1001 Sarasota Center Boulevard Sarasota, FL 34240

Re: Lakewood Ranch Waterside

Surface Water Quality Monitoring Program

2018 Annual Monitoring Report

Dear Mr. Ryan:

Enviro-Audit & Compliance, Inc. (EAC) has completed the 2018 annual monitoring for the Lakewood Ranch Waterside monitoring program.

Surface Water samples were collected at station SW-1 in March, September and December 2018. Station SW-1 was inaccessible in June 2018.

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 X Buerhop

Joe K. Buerhop, P.G. President

Attachments

ec: Joe Kraus

Justin Saarinen Beth Andrews

#### 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)					
3/21/2018	0.073	1.13	0.063	1.19	0.012 i	923					
6/13/2018		Inaccessable									
9/11/2018	0.026 i	1.03	0.008 i	1.04	0.008 U	762					
12/12/2018	0.405	4.27	0.453	4.72	0.037	919					
	<u> </u>					·					
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)			
3/21/2018	60 B	199	65.5	4.53	69.4	1.66 i			
6/13/2018	Inaccessable								
9/11/2018	120 B	120	42.4	2.19	82.9	2 U			
12/12/2018	154 B	248	68.0	1.43	56.1	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)						
3/21/2018	20.4	1.14	0.9	3						
6/13/2018		Inaccessable								
9/11/2018	1.35	¥	2.1	3						
12/12/2018	1.4	1.51	0.6	3						
Standard	*	*	*	*						

<sup>\* =</sup> No applicable class III state standard

U= Compound was analyzed for but not detected

Total Nitrogen = Kjeldhal Nitrogen + Nitrate/Nitrite

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

<sup>\*\* =</sup> See Chapter 62-302 FAC

i = results fell between MDL and PQL

#### 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)					
3/21/2018		Dry									
6/13/2018		Dry									
9/11/2018			Dry	У							
12/12/2018		Dry									
Standard	*	*	*	*	*	≤1275					

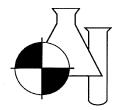
Sample Date	Fecal Coliform Bacteria (cfu/100 ml)	Escherichia Coli Bacteria (cfu/100 ml)	Dissolved Oxygen Saturation (%)	Turbidity (NTU)	Water Temperature (°F)	BOD5 (mg/L)					
3/21/2018		Dry									
6/13/2018		Dry									
9/11/2018			Dr	У							
12/12/2018		Dry									
Standard	≤800	*	**	≤29	*	*					

Sample Date	Chlorophyll A - Corrected for Pheophytin (mg/m3)	Water Velocity (ft/sec)	Water Depth (ft)	Sample Depth (inches below surface)						
3/21/2018		Dry								
6/13/2018		Dry								
9/11/2018		Dry								
12/12/2018	Dry									
Standard	*	*	*	*						

<sup>\* =</sup> No applicable class III state standard

\*\* = See Chapter 62-302 FAC
Total Nitrogen = Kjeldhal Nitrogen + Nitrate/Nitrite

## EnviroAnalytical Inc.



NELAC Certification #E84167

## **ANALYTICAL TEST REPORT**

### THESE RESULTS MEET NELAC STANDARDS

**Submission Number:** 

18030857

Enviro-Audit Compliance, Inc.

5306 Us 41 N.

Palmetto, FL 34221

Project Name :

WATERSIDE

Date Received:

03/21/2018

Time Received:

1232

Submission Number:

18030857

Sample Number: Sample Description: 001 SW-1 Sample Date:

03/21/2018

Sample Time:

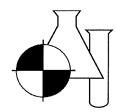
1110

Sample Method:

Grab

Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
0.073	MG/L	0.008	0.032	350.1	03/22/2018 11:09	sw
1.13	MG/L	0.05	0.20	351.2	03/23/2018 13:29	PN
0.012 I	MG/L	0.008	0.032	365.3	03/23/2018 11:38	CE
20.4	MG/M3	0.25	1.00	445.0	03/26/2018 14:45	FM
0.004	MG/L	0.003	0.012	SM4500NO2B	03/21/2018 17:01	SW
1.66 I	MG/L	1	4	SM5210B	03/22/2018 14:50	LD/PN
60 B	#/100 ML	10	10	SM9222D	03/21/2018 14:51	DRD
199	#/100 ML	10	10	SM9223B	03/21/2018 15:18	KD
0.059	MG/L	0.006	0.024	SYSTEA EASY	03/21/2018 17:01	SW/CF
0.063	MG/L	0.006	0.024	SYSTEA EASY	03/26/2018 12:48	CF
1.19	MG/L	0.05	0.20	SYSTEA+351	03/26/2018 12:48	PN/CF
	0.073 1.13 0.012 I 20.4 0.004 I 1.66 I 60 B 199 0.059 0.063	0.073 MG/L  1.13 MG/L  0.012 I MG/L  20.4 MG/M3  0.004 I MG/L  1.66 I MG/L  60 B #/100 ML  199 #/100 ML  0.059 MG/L  0.063 MG/L	0.073       MG/L       0.008         1.13       MG/L       0.05         0.012 I       MG/L       0.008         20.4       MG/M3       0.25         0.004 I       MG/L       0.003         1.66 I       MG/L       1         60 B       #/100 ML       10         199       #/100 ML       10         0.059       MG/L       0.006         0.063       MG/L       0.006	0.073       MG/L       0.008       0.032         1.13       MG/L       0.05       0.20         0.012 I       MG/L       0.008       0.032         20.4       MG/M3       0.25       1.00         0.004 I       MG/L       0.003       0.012         1.66 I       MG/L       1       4         60 B       #/100 ML       10       10         199       #/100 ML       10       10         0.059       MG/L       0.006       0.024         0.063       MG/L       0.006       0.024	0.073         MG/L         0.008         0.032         350.1           1.13         MG/L         0.05         0.20         351.2           0.012 I         MG/L         0.008         0.032         365.3           20.4         MG/M3         0.25         1.00         445.0           0.004 I         MG/L         0.003         0.012         SM4500NO2B           1.66 I         MG/L         1         4         SM5210B           60 B         #/100 ML         10         10         SM9222D           199         #/100 ML         10         10         SM9223B           0.059         MG/L         0.006         0.024         SYSTEA EASY           0.063         MG/L         0.006         0.024         SYSTEA EASY	Nine         PQL         Procedure         Date/Time           0.073         MG/L         0.008         0.032         350.1         03/22/2018         11:09           1.13         MG/L         0.05         0.20         351.2         03/23/2018         13:29           0.012 I         MG/L         0.008         0.032         365.3         03/23/2018         11:38           20.4         MG/M3         0.25         1.00         445.0         03/26/2018         14:45           0.004 I         MG/L         0.003         0.012         SM4500NO2B         03/21/2018         17:01           1.66 I         MG/L         1         4         SM5210B         03/22/2018         14:50           60 B         #/100 ML         10         10         SM9222D         03/21/2018         15:18           0.059         MG/L         0.006         0.024         SYSTEA EASY         03/26/2018         12:48           0.063         MG/L         0.006         0.024         SYSTEA EASY         03/26/2018         12:48

## EnviroAnalytical Inc.



NELAC Certification #E84167

Laboratory Director

03/27/2018 Date

Tülay Tanrisever Michael Graves - QC 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.

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.

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.

#### COMMENTS:

Chlorophyll A lab filtered @ 03/21/18 1525

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

Results relate only to the samples

Benchmark EnviroAnalytic 1711 12 <sup>th</sup> Street East Palmetto, FL. 34221 941-723-9986 941-723-6061 www.Benchmarkea.com Project Name: Waterside	cal, Inc	2 1		F F 9	P.O. Box Palmetto P41-721	o Fl 34220 1-7800 Job Leport <del>: Jim B</del> uerhop <u>il</u>	ouerhop@enviro-au UNVIO-Qudd. (1	
			*			180308	557	
Station ID	Sample Matrix <sup>2</sup>	Sample Type <sup>1</sup>		Parameters, F	reservative	e <sup>4</sup> , Container Type <sup>3</sup>		Laborator Sample
•			TKN NH <sub>3</sub> TN NO <sub>3</sub> -NO <sub>2</sub> NO <sub>3</sub> TP	NO <sub>2</sub> BOD <sub>5</sub>		Chlorophyll a  1525  Fiftered 3/21/18	Fecal Coliform E.coli	
			1:4 H <sub>2</sub> SO <sub>4</sub> pH<2 p	Plain		Plain	NaThio	
			1 x ½ Pint Plastic	l x l Quart Pl	astic	1 x 500mL Opaque Plastic	1 x 100mL Sterile Plastic	
SW-(	sw	G	Date & Time: .	•		•	•	(
"Sample Type" is used to indicate whether the sample was 2 "Sample Matrix" is used to indicate whether the sample is 3 "Container Type" is used to indicate whether the container 4 Sample must be refrigerated or stored in wet ice after c Under "Preservative," list any preservatives that were added.  1. Each bottle has a label identifying sample ID, premeasured preservative C. The following information should be added to each bottle label after colle 3. All bottles not containing preservative may be mised with appropriate san 4. The client is responsible for dejumentation of the sampling event. Please  Relinquished By:	being discharged is plastic (P) or gollection. The tod to the sample contained in the botton with permanulple prior to colle	to drinking wat class (G). imperature dur ontainer. ottle, sample typ nent black ink: o ction.	er (DW), groundwater (GW), surface water (SW), fresh sur ring storage should be less than or equal to 6°C (42.8°F). e, client ID, and parameters for analysis. late and time of collection, sampler's name or initials, and a		vater (SSW), soil.	, sediment (SDMNT), or sludge (SLDG).	Date:  Date:  Date:  Time  Date:  Time  Time	232

Date:

Time:

Relinquished By:

## Surface Wate Id Data Sheet

Project:	Lakewood	l Ranch - Wa	aterside			•			Name:	A. Suerr
Location:	Sarasota (	County							Date:	3/21/18
	7	NINDERANGEN AND AND AND AND AND AND AND AND AND AN								
Sample ID No.	Time	statio	n ID Turbit	do la	18 IL DO 19	satil remperat	ine of	Conductivi G2 3	lem Velocity	Notes
	1110	SW-1	4.53	5,79	65.5	20.8	7,51	923	350 rpr	n 0,901 deup
	1145	SW-3		State of the last						Dry
										<u> </u>
								<i>II</i>		
				Field Co	nditions					
Tir	 ne	Temperat	ture (°F)		Speed	Wind Direction Cloud Cover			Cover	
1131		611	6		mph	NV		100		

**Enviro-Audit Compliance, Inc.** 

5306 US Highway 41 North, Palmetto, Florida 34221 Telephone (941) 721-7800 Fax (941) 721-7878

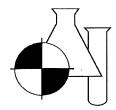
## 

Project: Lak	kewood	Ranch - W	aterside			_			Name:	A. Sverr
Location: Sar	rasota C	ounty				_			Date:	4/13/18
	Time	Statio	nID Turbit	DO IT	10 les	o satil remperat	ine by	Conductiv	Jem Velocity	Notes
18-081 12	200	SW-1	No.				The same of the sa	Comments of the Comments of th		maccessable
18-08212	715	SW-2								Dry
AT THE REST. (AND IN CO.)										
				Field Cor	nditions					
Time		Temperat	ure (°F)			Wind Di	irection	Cloud	Cover	
1912		Temperat	2	Wind S	lm	Calin	n	50		

Enviro-Audit Compliance, Inc.

5306 US Highway 41 North, Palmetto, Florida 34221 Telephone (941) 721-7800 Fax (941) 721-7878

## EnviroAnalytical Inc.



NELAC Certification #E84167

### **ANALYTICAL TEST REPORT**

### THESE RESULTS MEET NELAC STANDARDS

**Submission Number:** 

18090396

Enviro-Audit Compliance, Inc.

5306 Us 41 N.

Palmetto, FL 34221

WATERSIDE

Project Name:
Date Received:

09/11/2018

Time Received:

1230

**Submission Number:** 

18090396

Sample Number:

001

Sample Description:

18-125 (SW-1)

Sample Date:

09/11/2018

Sample Time:

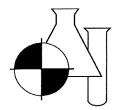
1050

Sample Method:

Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.026 I	MG/L	0.008	0.032	350.1	09/13/2018 14:46	KM
TOTAL KJELDAHL NITROGEN	1.03	MG/L	0.05	0.20	351.2	09/18/2018 12:06	PN
TOTAL PHOSPHORUS AS P	0.008 U	MG/L	0.008	0.032	365.3	09/18/2018 13:23	CE
CHLOROPHYLL A	1.35	MG/M3	0.25	1.00	445.0	09/13/2018 14:56	FM
NITRITE NITROGEN	0.003 U	MG/L	0.003	0.012	SM4500NO2B	09/11/2018 17:08	KM
BIOCHEMICAL OXYGEN DEMAND	2 U	MG/L	2	8	SM5210B	09/12/2018 15:05	LD/LD
FECAL COLIFORM	120 B	#/100 ML	10	10	SM9222D	09/11/2018 14:36	DRD
E- COLI BY IDEXX QUANTITRAY	120	#/100 ML	10	10	SM9223B	09/11/2018 14:21	DRD
NITRATE NITROGEN	0.008 I	MG/L	0.006	0.024	SYSTEA EASY	09/11/2018 17:08	KM/JW
NITRATE+NITRITE AS N	0.008 I	MG/L	0.006	0.024	SYSTEA EASY	09/12/2018 13:09	JW
TOTAL NITROGEN	1.04	MG/L	0.05	0.20	SYSTEA+351	09/18/2018 12:06	PN/JW

## EnviroAnalytical Inc.



NELAC Certification #E84167

Tülay Tanrisever / Kara Peterson - QC/QA Officers

09/19/2018

Date

#### 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.

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.

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.

#### COMMENTS:

Chlorophyll A lab filtered @ 09/11/18 1628

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

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc

1711 12<sup>th</sup> Street East Palmetto, FL. 34221 941-723-9986 941-723-6061

www.Benchmarkea.com

Project Name: Waterside

Client Name:

Laboratory Submission #:

Enviro-Audit & Compliance, Inc.

121121296

P.O. Box 7

Palmetto Fl 34220

941-721-7800

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

				(8)	1001001	<u> </u>	
Station ID	Sample Matrix <sup>2</sup>	Sample Type <sup>1</sup>	, a	Parameters, Preservati	ive <sup>4</sup> , Container Type <sup>3</sup>		Laboratory Sample #
		.,,,,	TKN NH <sub>3</sub> TN NO <sub>3</sub> -NO <sub>2</sub> NO <sub>3</sub> TP	NO <sub>2</sub> BOD <sub>5</sub>	Chlorophyll a	Fecal Coliform E.coli	74.
					Fifered 9/11/18/128		
			1:4 H <sub>2</sub> SO <sub>4</sub> pH<2 p	Plain	Plain	NaThio	
			1 x ½ Pint Plastic	1 x 1 Quart Plastic	1 x 500mL Opaque Plastic	1 x 100mL Sterile Plastic	
			Date & Time:	•	•	•	1
18-125 (SW-1)	SW	G	9/11/18	1050			1

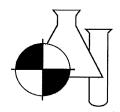
1	"Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C). "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, 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 stor	rage should be less than or	equal to 6°C (42.8°F).								
	Under "Preservative," list any preservatives that were added to the sample container				9	Laboratory Samp	le Acceptability				
ins	tructions				2						
i	Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client	ID, and parameters for ana	lysis.	u. Gald number or ID		/ -	0				
	The following information should be added to each bottle label after collection with permanent black ink: date and	time of collection, simpler	s name or initials, and ar	iy field number of 1D.	p	H<2 / Temperatu	re: 3.6°C				
3.	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 sampling events.	nla custada form				/	2000				
+.	the chent is responsible for documentation of the sampling event. Figure fole special sampling events on the sam	pic custous rorm.					T.				
1.	Collector:	Date:	Time:	Received By:		Date:	Time:				
	W & .	alulier	177			10/11/18	1720				
	All	XIIIII	- OU			04/11/10	120				
	0.11.110	Deter	Time:	Received By:		Date:	Time:				
1	Relinquished By:	Date:	Time.	Received by.		Date.	Time.				
14	•										
_											
1	Relinguished By:	Date:	Time:	Received By:		Date:	Time:				
13	Kelinquished by.	Duice.									
~							1				

## Surface Wate IId Data Sheet

	Project:	Lakewood	d Ranch - W	/aterside			-			Name:	Amber Duen	
	Location:	Sarasota	County				Date: 91118					
ŀ												
	Sample	Time	Statis	Jn ID Turbi	disk wing DO lu	18 IL) DO(0)	o satil remperat	ine by	Conductiv	Jam Veloci	Notes	
1	18-126	040	SW-2								Dry	
	18-125	1020	SW-1	2.19	3,30	42,4	8.36	6.91	762		2.1 deup	
ŀ												
							7					
ŀ												
-												
-												
l												
-												
					Field Co	nditions						
	Tin	ne 101)	Tempera	ture (°F)	Wind 9	Speed	Wind D	irection	Cloud	Cover		

Enviro-Audit Compliance, Inc.

## EnviroAnalytical Inc.



NELAC Certification #E84167

## **ANALYTICAL TEST REPORT**

#### THESE RESULTS MEET NELAC STANDARDS

**Submission Number:** 

18120523

Enviro-Audit Compliance, Inc.

5306 Us 41 N.

Palmetto, FL 34221

Project Name :

LWR - WATERSIDE

Date Received:

12/12/2018

Time Received:

1211

Submission Number:

18120523

Sample Number:

001

Sample Description:

18-231 (EQBLK SW-1)

Sample Date:

12/12/2018

Sample Time:

1050

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	12/17/2018 11:50	KM
TOTAL KJELDAHL NITROGEN	0.482	MG/L	0.05	0.20	351.2	12/18/2018 13:36	S PN
TOTAL PHOSPHORUS AS P	0.008 U	MG/L	0.008	0.032	365.3	12/14/2018 12:29	CE
CHLOROPHYLL A	0.25 U	MG/M3	0.25	1.00	445.0	12/18/2018 13:32	? FM
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	12/13/2018 13:38	LD/LD
FECAL COLIFORM	1 U	#/100 ML	1	1	SM9222D	12/12/2018 14:06	KD
E- COLI BY IDEXX QUANTITRAY	1 U	#/100 ML	1	1	SM9223B	12/12/2018 13:36	KD.
NITRATE+NITRITE AS N	0.007	MG/L	0.006	0.024	SYSTEA EASY	12/14/2018 11:49	JW

Submission Number:

18120523

Sample Number:

002

Sample Description:

18-232 (SW-1)

Sample Date:

12/12/2018

Sample Time:

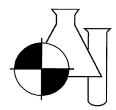
1110

Sample Method:

Grab

Parameter	Result	Units	MDL	. PQL	Procedure	Analysis Date/Time		Analyst
AMMONIA NITROGEN	0.405	MG/L	0.008	0.032	350.1	12/17/2018	11:52	KM
TOTAL KJELDAHL NITROGEN	4.27	MG/L	0.05	0.20	351.2	12/18/2018	13:37	PN
TOTAL PHOSPHORUS AS P	0.037	MG/L	0.008	0.032	365.3	12/14/2018	12:30	CE
CHLOROPHYLL A	1.40	MG/M3	0.25	1.00	445.0	12/18/2018	13:32	FM
BIOCHEMICAL OXYGEN DEMAND	1 U	MG/L	1	4	SM5210B	12/13/2018	13:38	LD/LD
FECAL COLIFORM	154 B	#/100 ML	1	1	SM9222D	12/12/2018	14:06	KD
E- COLI BY IDEXX QUANTITRAY	248	#/100 ML	1	1	SM9223B	12/12/2018	13:36	KD
NITRATE+NITRITE AS N	0.453	MG/L	0.006	0.024	SYSTEA EASY	12/14/2018	12:39	JW

## EnviroAnalytical Inc.



NELAC Certification #E84167

Dale D. Dixon / Laboratory Director

Tülay Tanrisever / Kara Peterson - QC/QA Officers

01/03/2019

Date

#### **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.

#### 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.

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.

#### COMMENTS:

Chlorophyll A lab filtered on 12/12/18 at 1625.

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

Results relate only to the samples.

Benchmark EnviroAnalytic 1711 12 <sup>th</sup> Street East Palmetto, FL. 34221 941-723-9986 941-723-6061 www.Benchmarkea.com	al, Ind	2		Clie	ent Name:	P.O. F Palme 941-7	ro-Audit & Complianc Box 7 etto Fl 34220 721-7800 I Report: Joe Buerhop <u>jt</u>	*	it.com
Project Name: LWR - Waterside	Е		Laboratory Submission #:			18120523	3		
Station ID	Sample Matrix <sup>2</sup>	Sample Type <sup>1</sup>			Paramete	ers, Preserva	ative <sup>4</sup> , Container Type <sup>3</sup>	& Labor Sam	
Type I and I		aurix Type	TKN NH <sub>3</sub> NO <sub>3</sub> +NO <sub>2</sub> TP		BOD₅ Plain		Chlorophyll a	Fecal Coliform E.coli	
		1:4 H <sub>2</sub> SO <sub>4</sub>	pH<2 ┏∕	Plain			NaThio		
			1 x 1/2 Pint Plastic		1 x 1 Quart Plastic		1 x 500mL Opaque Plastic	2 x 100mL Sterile Plastic	
18-231 (EQ BUK (SW-1))	GW	G	Date & Time:	18	020	,	•	• •	(
18-232 (SW-1)	GW	G	Date & Time:	•	1110	4	•	Φ 9	7
1 "Sample Type" is used to indicate whether the sample was a "Sample Matrix" is used to indicate whether the sample is to "Container Type" is used to indicate whether the container is "Container Type" is used to indicate whether the container is Under "Preservative." Is any preservatives that were added Instructions.  1. Each bottle has a label identifying sample ID, premeasured preservative co 2. The following information should be added to each bottle label after collections.  3. All bottles not containing preservative may be rinsed with appropriate sam.  4. The client is responsible for doggingentation of the sampling event. Please:	eing discharged s plastic (P) or g llection. The te I to the sample o ntained in the bo tion with permanals ple prior to colle	to drinking wa lass (G). imperature du ontainer. ittle, sample typent black ink: ction.	ter (DW), groundwater (GW), sur ring storage should be less than pe, client ID, and parameters for a date and time of collection, sampl	or equal to 6°C (42.8°F).		urface water (SSW	r), soil, sediment (SDMNT), or sludge (SLDG).	Laboratory Sample Acce pH<2	
1 Collector:			Date: 12/12/(	Time:	Received By:	//H	DIN	Date: 12-14 Time:	211

Date:

Date:

Time:

Time:

Received By:

Received By:

Date:

Date:

Time:

Time:

Relinquished By:

Relinquished By:

## Surface Water eld Data Sheet

Project:	Lakewoo	d Ranch - W	aterside			_			Name:	Amber Duew	Powl
Location:	Sarasota	County			William Constitution Williams	-			Date:	Hahr Kr	18/11
Sample ID No.	Time	station	n ID Turbit	DO IT	18 JU 00 64	o Satil rempera	die OH	Conductiv	ital Jem Velocital	Notes	19/19/
18-231	150	EOBLE (SW-1)		8.80	82.6	13.0	6.93 W	108 6.6			
18-232	1110	(2M-1)	1,43	7.18	48.0	13.4	6,92	919	480	0.6 Dap	
16-233	1135	SW-2	•							Ing	
								1			
											70
				Field Cor	nditions						
Tim	ne	Temperati	ure (°F)	Wind 9	Speed	Wind D	irection	Cloud	Cover		1

**Enviro-Audit Compliance, Inc.** 

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