FDOH Certification #E84167

BENCHMARK EnviroAnalytical, Inc.

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 25050191

City Of Winter Haven Wwtp #3
4400 Pollard Road
Winter Haven, FL 33884

Project Name : DAILY ANALYSIS
Date Received : 05/05/2025
Time Received : 14:50

Steve Lamons/Frank O

Submission Number: 25050191
Sample Number: 001
Sample Description: EFD-001

Sample Date: 05/05/2025
Sample Time: 07:55
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.045	MG/L	0.008	0.032	350.1	05/07/2025 16:37	LM
TOTAL KJELDAHL NITROGEN	0.827	MG/L	0.05	0.20	351.2	05/23/2025 12:52	JS
ORTHO PHOSPHORUS AS P	0.148	MG/L	0.002	0.008	365.3	05/06/2025 17:26	LM
TOTAL HARDNESS (CACO3)	135	MG/L	0.682	2.728	SM2340C	05/07/2025 13:40	LM
NITRITE NITROGEN	0.005 I	MG/L	0.003	0.012	SM4500NO2B	05/06/2025 17:37	LM
UNIONIZED AMMONIA	0.002 I	MG/L	0.001	0.004	SOP 10/03/83	05/28/2025 10:58	RS
NITRATE NITROGEN	1.17	MG/L	0.006	0.024	SYSTEA EASY	05/06/2025 17:37	LM/SQ
NITRATE+NITRITE AS N	1.17	MG/L	0.006	0.024	SYSTEA EASY	05/07/2025 14:26	SQ
TOTAL NITROGEN	2.00	MG/L	0.05	0.20	SYSTEA+351	05/23/2025 12:52	JS/SQ

Submission Number: 25050191
Sample Number: 002
Sample Description: EFD-001

Sample Date: 05/05/2025
Sample Time: 07:55
Sample Method: Composite

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
AMMONIA NITROGEN	0.049	MG/L	0.008	0.032	350.1	05/07/2025 16:59	LM
TOTAL KJELDAHL NITROGEN	1.01	MG/L	0.05	0.20	351.2	05/23/2025 16:49	JS
TOTAL PHOSPHORUS AS P	0.207	MG/L	0.008	0.032	365.3	05/07/2025 15:41	LM
UNIONIZED AMMONIA	0.002 I	MG/L	0.001	0.004	SOP 10/03/83	05/28/2025 10:58	RS
NITRATE+NITRITE AS N	0.722	MG/L	0.006	0.024	SYSTEA EASY	05/07/2025 13:26	SQ
TOTAL NITROGEN	1.73	MG/L	0.05	0.20	SYSTEA+351	05/23/2025 16:49	JS/SQ

Leah Lepore 05/28/2025

Date

Dr. Dale D. Dixon Laboratory Director

Haley Richardson QC Manager / **Leah Lepore** QC 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.
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.
G2 = Accuracy standard exceeds acceptable control limits. Duplicate and spike values are within control limits. Reported data are usable.

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 Twelfth Street East
Palmetto, FL. 34221
(941) 723-9986
(941) 723-6061 fax
www.Benchmarkea.com
Sample Temperature checked upon receipt with Temperature Gun ID #258

Client: **City of Winter Haven WWTP #3**
4400 Pollard Road, Winter Haven, FL 33884
863-291-5763
Steve Lamons 863-651-1147
Slamons@mywinterhaven.com
Jean Charles JCharles@mywinterhaven.com
Frank O'Neal FONeal@mywinterhaven.com

pH: 7.74
Temp: 29.7 °C

Chain of Custody Form: Daily Analysis
Method of discharge: Profile-1 568 /-2 529

Laboratory Submission #: 25050191

Sample Name	Sample Matrix[2]	Sample Type[1]	Collection Date	Collection Time	Total # of Containers= 3 Qty	Capacity	Type[3]	Preservative[4]	Parameters for Analysis	Laboratory Sample #
EFD - 001	WW	Grab	5-5-25	0755	1	½ Pint	Plastic	Plain	Ortho-Phosphorus *EPA 365.3* Nitrite *SM4500NO2B* •	1
					1	½ Pint	Plastic	1.1mL 1:4 H_2SO_4 pH<2 ☑ Acid Lot# 25-04	Nitrate+Nitrite *Systea Easy* Nitrate *(CALC)* Ammonia *350.1* Unionized Ammonia TKN *EPA 351.2* Total Nitrogen *Systea Easy+351* Total Hardness *(SM2340C)* •	
EFD - 001	WW	Comp.	From: 5-4-25 To: 5-5-25	From: 0800 To: 0755	1	½ Pint	Plastic	1.1mL 1:4 H_2SO_4 pH<2 ☑ Acid Lot#25-04	Nitrate+Nitrite *Systea Easy* TKN *EPA 351.2* Total Nitrogen *Systea Easy+351* Total Phosphorus *EPA 365.3* Ammonia *350.1* Unionized Ammonia •	2

Chlorine residual at time of collection: _____ Samples received on ice: _____ Turbidity at time of collection: _____

Notes:
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).**
5. Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. NaThio, H_2SO_4 and HNO_3 do not have expiration dates per the manufacturer. Micro bottles are pre-preserved at manufacturing stage. 40mL vials are pre-preserved at manufacturing stage.

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.
5. Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:
pH <2 : ☑ BEA Temperature: 1.1

		Date:	Time:		Date:	Time:
1	Collector & Affiliation: (Print & Sign) Steve LaMons	5-5-25	0800	Received By & Affiliation: (Print & Sign)	050525	1141
2	Relinquished By & Affiliation: (Print & Sign)	515/25	1450	Received By & Affiliation: (Print & Sign) BEA	515/25	1450
3	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
4	Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time: