

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 25051571

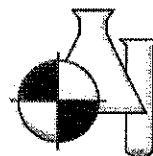
City Of Winter Haven
4400 Pollard Rd
Winter Haven, FL 33884

Project Name :
Date Received : 05/29/2025
Time Received : 14:58

Frank O'neal

Submission Number:	25051571	Sample Date:	05/29/2025
Sample Number:	001	Sample Time:	09:30
Sample Description:	FL CAN 001	Sample Method:	Composite

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
CHROMIUM	2 U	UG/L	2	8	200.7	05/30/2025 16:18	MN
MANGANESE	219	UG/L	2	8	200.7	05/30/2025 16:18	MN
ZINC	218	UG/L	1.4	5.6	200.7	05/30/2025 16:18	MN
COPPER	19.5	UG/L	0.119	0.492	200.8	08/01/2025 11:08	MN
FLUORIDE	39.8	MG/L	0.030	0.120	300.0	06/05/2025 08:16	KT
TOTAL PHOSPHORUS AS P	0.082	MG/L	0.008	0.032	365.3	06/02/2025 14:16	LM



Leah Lepore

06/06/2025

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
 Asset Management - IPP Program
 4400 Pollard Road
 Winter Haven, FL 33884
 (863) 291-5763 / Terry Cell - 863-287-4251
 (863) 297-3031

Chain of Custody Form:

Laboratory Submission #:

25081571

Station ID	Sample Type ¹	Sample Matrix ²	Collection		Total # of Containers= 3		Preservative ⁴	Parameters for Analysis	Laboratory Sample #		
			Date	Time	Quantity	Capacity				Type ³	
FL CAN 001	Comp.	WW	5/29/25	9:30	1	1/2 Pt.	Plastic	1.1 mL 1:4 HNO ₃ pH < 2 <input checked="" type="checkbox"/> Acid Lot #23-17	Cu (SM3113B) Cr Mn Zn (200.7)	1	
					1	1/2 Pt.	Plastic	Plain	Fluoride (300.0)		
					1	1/2 Pt.	Plastic	1.1 mL 1:4 H ₂ SO ₄ pH < 2 <input type="checkbox"/> Acid Lot #23-18	TP (365.3)		

Notes

- "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).
- "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
- 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. List Number of preservative used is specific to the bottles included in the kit. NaOH, H₂SO₄, and HNO₃ 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

- Each bottle has a label identifying sample ID, preservative contained in the bottle, sample type, client ID, and parameters for analysis.
- The following information should be added to each bottle: date and time of collection, sampler's name or initials, and any field number or ID.
- All bottles are considered "Chain of Custody" by the time they are sealed with cap.
- The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
- Sample kit has been created by BEA using next certified bottles unless otherwise noted.

Laboratory Sample Acceptability:

pH < 2 ✓ BEA Temperature 28.8°C

Collector & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
James Staver	5/29/25	10:10	Michelle Dwyer	05/29/25	10:53
Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
			Kerem Moran	5/29/25	14:58
Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time:
Relinquished By & Affiliation: (Print & Sign)	Date:	Time:	Received By & Affiliation: (Print & Sign)	Date:	Time: