Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

February 19, 2026

Chris Giesting
Brunswick County Public Utilities
PO BOX 249
Bolivia, NC 28422

RE: Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Dear Chris Giesting:

Enclosed are the analytical results for sample(s) received by the laboratory on February 13, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Baumgartner
todd.baumgartner@pacelabs.com
(386)672-5668
Project Manager

Enclosures

cc: Billy Benton, Brunswick County Public Utilities

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CERTIFICATIONS

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Utah
Utah FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35015456001	**021226-S01**	Water	02/12/26 07:45	02/13/26 10:30
35015456002	**021226-E01**	Drinking Water	02/12/26 07:45	02/13/26 10:30

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SAMPLE ANALYTE COUNT

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35015456001	**021226-S01**	EPA 522	TSW	2	PASI-O
35015456002	**021226-E01**	EPA 522	TSW	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Sample: 021226-S01 **Lab ID: 35015456001** Collected: 02/12/26 07:45 Received: 02/13/26 10:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Ormond Beach								
1,4-Dioxane (p-Dioxane)	**0.27**	ug/L	0.20	0.12	1	02/17/26 19:45	02/18/26 15:35	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		1	02/17/26 19:45	02/18/26 15:35		

Sample: 021226-E01 **Lab ID: 35015456002** Collected: 02/12/26 07:45 Received: 02/13/26 10:30 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
522 MSS 1,4 Dioxane	Analytical Method: EPA 522 Preparation Method: EPA 522 Pace Analytical Services - Ormond Beach								
1,4-Dioxane (p-Dioxane)	**0.25**	ug/L	0.20	0.12	1	02/17/26 19:45	02/18/26 16:09	123-91-1	
Surrogates									
1,4-Dioxane-d8 (S)	99	%	70-130		1	02/17/26 19:45	02/18/26 16:09		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

QC Batch: 1167421
QC Batch Method: EPA 522
Analysis Method: EPA 522
Analysis Description: 522 MSS 1,4 Dioxane
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35015456001, 35015456002

METHOD BLANK: 6392924 Matrix: Water
Associated Lab Samples: 35015456001, 35015456002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.12 U	0.20	0.12	02/18/26 14:43	
1,4-Dioxane-d8 (S)	%	103	70-130		02/18/26 14:43	

LABORATORY CONTROL SAMPLE: 6392925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	2	1.8	90	70-130	
1,4-Dioxane-d8 (S)	%			95	70-130	

LABORATORY CONTROL SAMPLE: 6392926

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.2	0.21	103	50-150	
1,4-Dioxane-d8 (S)	%			104	70-130	

MATRIX SPIKE SAMPLE: 6392927

Parameter	Units	35015456001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.27	2	2.2	96	70-130	
1,4-Dioxane-d8 (S)	%				95	70-130	

SAMPLE DUPLICATE: 6392928

Parameter	Units	35015456002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/L	0.25	0.25	1	20	
1,4-Dioxane-d8 (S)	%	99	93			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U	Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1,4-Dx-522 (Weekly)
Pace Project No.: 35015456

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35015456001	**021226-S01**	EPA 522	1167421	EPA 522	1167696
35015456002	**021226-E01**	EPA 522	1167421	EPA 522	1167696

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Re

The Chain-of-Custody is a LEGAL DOCUMENT. All releva

WO# : 35015456

35015456

Page: 1 Of 1

Section A
Required Client Information:

Company:	Brunswick County Water Systems
Address:	PO Box 249
	Bolivia, NC 28422
Email To:	kenny.revels@brunswickcountync.gov
Phone:	910-371-3490 Fax
Requested Due Date:	W007

Section B
Required Project Information:

Report To:	KENNY REVELS
Copy To:	Billy Benton
	billy.benton@brunswickcountync.gov
Purchase Order #:	
Project Name:	1,4-Dx-522 (Weekly)
Project #:	

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	See Section A
Address:	
Pace Quote:	
Pace Project Manager:	Lisa Harvey
Pace Profile #:	9551-1 (SO1) , -2 (EO1)

Regulatory Agency
NC
State / Location
NC

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Sodium sulfite and sodium bisulfate	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: 522 - 1,4 - Dioxane	522 - 1,4 - Dioxane	Residual Chlorine (Y/N)	
1	021226-SO1	WT	G	2/12/2026	0745AM	2/12/2026	0745AM		1								1		1			
2	021226-EO1	DW	G	2/12/2026	0745AM	2/12/2026	0745AM		1								1		1			line 1
3																				1		line 2
4																						
5																						
6																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	BILLY BENTON/BRUNSWICK COUNTY UTILITILES	2/12/2026			2/13/26	1030	3.6	4	4	4

SO1 is Raw Water (WT)

EO1 is Potable DWTR (DW)

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler	Samples Intact (Y/N)
PRINT Name of SAMPLER:	BILLY BENTON				
SIGNATURE of SAMPLER:	2/12/2026				

Pace Container Order #1185903

Addresses

Order By :

Company Brunswick County Water System
Contact - Bottles, Glenn
Email glenn.walker@brunswickcountync.gov
Address 3954 Clearwell Dr. NE
Address 2
City Leland
State NC Zip 28451
Phone 910-371-3490

Ship To :

Company Brunswick County Water System
Contact - Bottles, Glenn
Email glenn.walker@brunswickcountync.gov
Address 3954 Clearwell Dr. NE
Address 2
City Leland
State NC Zip 28451
Phone 910-371-3490

Return To:

Company Pace Analytical Ormond Beach
Contact
Email shelby.sharpe@pacelabs.com
Address 8 East Tower Circle
Address 2
City Ormond Beach
State FL Zip 32174
Phone 386-672-5668

Info

Project Name 1,4-Dx-522 **Due Date** 01/28/2026 **Profile** 9551-1 **Quote**
Project Manager Baumgartner, Todd **Return Date** **Carrier** FedEx Standard Overnight **Location** NC

Trip Blanks

[ ] Include Trip Blanks

Bottle Labels

[ ] Blank
[X] Pre-Printed No Sample IDs
[ ] Pre-Printed With Sample IDs

Bottles

[ ] Boxed Cases
[X] Individually Wrapped
[ ] Grouped By Sample ID/Matrix

Return Shipping Labels

[ ] No Shipper
[X] With Shipper

COC Options

[ ] Number of Blanks
[X] Pre-Printed special

Misc

[ ] Sampling Instructions
[X] Custody Seal
[X] Temp. Blanks
[X] Coolers 1
[ ] Syringes
[ ] Extra Bubble Wrap
[ ] Short Hold/Rush Stickers
[ ] DI Water Liter(s)
[ ] USDA Regulated Soils

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
2	WT	1,4-dioxane, method 522	1-1L Amber Glass, Sodium sulfite & Na bisulfate	2	0	101325-1CEO / 011226-3DII	

Hazard Shipping Placard In Place : NO

*Sample receiving hours are Mon-Fri 8:00am-6:00pm and Sat 10:00am-6:00pm unless special arrangements are made with your project manager.
*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
*Payment term are net 30 days.
*Please include the proposal number on the chain of custody to ensure proper billing.

Sample Notes :

weekly sampling; 2-locations per week; ; Special COC attached; ;

LAB USE:

Ship Date : 01/23/2026
Prepared By: bls.
Verified By:
Tracking Num:

CLIENT USE (Optional):

Date Rec'd:
Received By:
Verified By:

Sample Condition

WO# : 35015456

PM: TAB **Due Date: 02/25/26**

CLIENT: BRUNCOWS

Pace

Project #

Project Manager:

Client:

Date and initials of person:

Examining contents: KH

Verifying pH: KH

Thermometer Used: _____ Date: 2/13/26 Time: 1113 Initials: CRO

State of Origin: T-440

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	3.4 (Visual)	+0.2 (Correction Factor)	3.6 (Actual)	☐Samples collected sameday, on ice cooling has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun
Recheck for OOT °C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐Samples collected sameday, on ice cooling has begun

Time: _____ Initials: _____

Courier: ☒Fed Ex ☐UPS ☐USPS ☐Client ☐Commercial ☐Pace ☐Other: _____

Shipping Method: ☑Standard Overnight ☐First Overnight ☐Priority Overnight ☐Ground ☐International Priority ☐Other: _____

Tracking # 473611237091

Custody Seal Present: ☒Yes ☐No **Seal properly placed and intact:** ☑Yes ☐No

Ice: ☑Wet ☐Blue ☐Dry ☐None ☐Melted

Packing Material: ☐Bubble Wrap ☑Bubble Bags ☐None ☐Other:

Samples shorted to lab: ☐Yes ☐No (If yes, complete the following)

Shorted Date: _____ **Shorted Time:** _____

Bottle Quantity / Type:

Chain of Custody:	**Present:** ☑Yes ☐No | **Filled Out:** ☑Yes ☐No ☐N/A | **Sampler Name:** ☑Yes ☐No ☐N/A			
	Relinquished To Pace: ☑Yes ☐No ☐N/A | **Sampling Date(s):** ☑Yes ☐No ☐N/A | **Sampling Time(s):** ☑Yes ☐No ☐N/A			
Samples Arrived within Hold Time.	☑Yes	☐No	☐N/A	Comments:
Rush Turnaround Requested on COC.	☐Yes	☑No	☐N/A	Comments:
Sufficient Volume.	☑Yes	☐No	☐N/A	Comments:
Correct Containers Used.	☑Yes	☐No	☐N/A	Comments:
Containers Intact.	☑Yes	☐No	☐N/A	Comments:
Sample Labels Match COC (Sample ID, Date/Time of Collection).	☑Yes	☐No	☐N/A	Comments:
All containers needing acid / base preservation have been checked.	☑Yes	☐No	☐N/A	**Preservation Information**
All containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, PFAS	☑Yes	☐No	☐N/A	**Preservative:** _____ **Date:** _____ **Lot / Trace:** _____ **Time:** _____ **Amount added (mL):** _____ **Initials:** _____
Headspace in Volatile Vials? (>6mm):	☐Yes	☐No	☑N/A	
Trip Blank Present:	☐Yes	☐No	☑N/A	

Comments / Resolutions (use back for additional comments):

Labeled by: KH Reviewed by: ZMB