



February 02, 2025

Mr. Napoleon Wilks IV
City of Prattville
101 W. Main Street
Prattville, AL 36067

RE: Project: Artesian PSI
Pace Project No.: 20339400

Dear Mr. IV:

Enclosed are the analytical results for sample(s) received by the laboratory on December 05, 2024. The results relate only to the samples included in this 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
- Pace Analytical Services - Tuscaloosa

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

Sincerely,

Cindy Simpson

Cindy Simpson
cindy.simpson@pacelabs.com
(205)614-6630
Project Manager

Enclosures

cc: Doug Smedley, Prattville Wastewater

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Artesian PSI
Pace Project No.: 20339400

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
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services Tuscaloosa

3516 Greensboro Ave, Tuscaloosa, AL 35401

Alabama Certification #: 40170

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SAMPLE SUMMARY

Project: Artesian PSI
Pace Project No.: 20339400

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20339400001	Artesian Well	Water	12/05/24 12:46	12/05/24 15:06
20339400002	Artesian Well Coliform	Drinking Water	12/05/24 12:47	12/05/24 15:06

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SAMPLE ANALYTE COUNT

Project: Artesian PSI
Pace Project No.: 20339400

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20339400001	Artesian Well	EPA 200.7	AF	5	PASI-O
		EPA 200.8	ADS, BSL	15	PASI-O
		EPA 245.1	JNK	1	PASI-O
		SM 2120B 2011	BVK	1	PASI-TU
		SM 2130B	BVK	1	PASI-TU
		SM 2150B	BVK	1	PASI-TU
		SM 4500-H+B	BVK	1	PASI-TU
		SM 2320B	SAH	1	PASI-O
		SM 2510B	SWB	1	PASI-O
		SM 2540C	VAG	1	PASI-O
		SM 5540C	JJB	2	PASI-O
		EPA 300.0	CMB	2	PASI-O
		EPA 300.0	CMB	3	PASI-O
		EPA 335.4	JH2	1	PASI-O
		SM 9223B	SNB	2	PASI-TU
20339400002	Artesian Well Coliform				

PASI-O = Pace Analytical Services - Ormond Beach
PASI-TU = Pace Analytical Services - Tuscaloosa

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ANALYTICAL RESULTS

Project: Artesian PSI
Pace Project No.: 20339400

Sample: Artesian Well									
Lab ID: 20339400001 Collected: 12/05/24 12:46 Received: 12/05/24 15:06 Matrix: Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Ormond Beach									
Calcium	1.1	mg/L	0.50		1	12/09/24 11:01	12/11/24 19:09	7440-70-2	
Iron	ND	mg/L	0.040		1	12/09/24 11:01	12/11/24 19:09	7439-89-6	
Magnesium	ND	mg/L	0.50		1	12/09/24 11:01	12/11/24 19:09	7439-95-4	
Sodium	ND	mg/L	2.0		1	12/09/24 11:01	12/11/24 19:09	7440-23-5	
Tot Hardness asCaCO3 (SM 2340B	ND	mg/L	3.3		1	12/09/24 11:01	12/11/24 19:09		
200.8 MET ICPMS									
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8									
Pace Analytical Services - Ormond Beach									
Aluminum	ND	ug/L	10.0		1	12/09/24 11:01	12/10/24 16:40	7429-90-5	
Antimony	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-36-0	
Arsenic	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-38-2	
Barium	12.4	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-39-3	
Beryllium	ND	ug/L	0.10		1	12/09/24 11:01	12/10/24 16:40	7440-41-7	
Cadmium	ND	ug/L	0.10		1	12/09/24 11:01	12/10/24 16:40	7440-43-9	
Chromium	1.7	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-47-3	
Copper	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-50-8	
Lead	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7439-92-1	
Manganese	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7439-96-5	
Nickel	ND	ug/L	1.0		1	12/09/24 11:01	12/10/24 16:40	7440-02-0	
Selenium	ND	ug/L	2.0		1	12/09/24 11:01	12/09/24 16:30	7782-49-2	
Silver	ND	ug/L	0.50		1	12/09/24 11:01	12/10/24 16:40	7440-22-4	
Thallium	ND	ug/L	1.0		1	12/09/24 11:01	12/09/24 16:30	7440-28-0	
Zinc	ND	ug/L	10.0		1	12/09/24 11:01	12/09/24 16:30	7440-66-6	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Ormond Beach									
Mercury	ND	ug/L	0.20		1	12/16/24 10:26	12/16/24 14:38	7439-97-6	
TUSC 2120B W Apparent Color									
Analytical Method: SM 2120B 2011									
Pace Analytical Services - Tuscaloosa									
Apparent Color	ND	units	5.0		1		12/06/24 16:09		N2
TUSC 2130B Turbidity									
Analytical Method: SM 2130B									
Pace Analytical Services - Tuscaloosa									
Turbidity	ND	NTU	0.10		1		12/06/24 13:44		N2
TUSC Threshold Odor Number									
Analytical Method: SM 2150B									
Pace Analytical Services - Tuscaloosa									
Threshold Odor Number	ND	TON	1.0		1		12/05/24 17:08		N2
TUSC 4500H+ pH, Electrometric									
Analytical Method: SM 4500-H+B									
Pace Analytical Services - Tuscaloosa									
pH at 25 Degrees C	7.8	Std. Units	0.010		1		12/06/24 14:57		H3,H6, N2

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ANALYTICAL RESULTS

Project: Artesian PSI

Pace Project No.: 20339400

Sample: Artesian Well		Lab ID: 20339400001		Collected: 12/05/24 12:46		Received: 12/05/24 15:06		Matrix: Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Ormond Beach							
Alkalinity, Total as CaCO ₃	8.2	mg/L	5.0		1		12/18/24 13:17		
2510B Specific Conductance		Analytical Method: SM 2510B Pace Analytical Services - Ormond Beach							
Specific Conductance @ 25C	20.5	umhos/cm	2.0		1		12/07/24 12:28		
2540C Total Dissolved Solids		Analytical Method: SM 2540C Pace Analytical Services - Ormond Beach							
Total Dissolved Solids	51.0	mg/L	5.0		1		12/08/24 11:47		
5540C MBAS Surfactants		Analytical Method: SM 5540C Preparation Method: SM 5540C Pace Analytical Services - Ormond Beach							
LAS Molecular Weight, g/mol	342.4				1	12/07/24 07:40	12/07/24 08:26		
MBAS, Calculated as LAS	ND	mg/L	0.20		1	12/07/24 07:40	12/07/24 08:26		
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Nitrate as N	0.25	mg/L	0.050		1		12/07/24 09:44	14797-55-8	
Nitrite as N	ND	mg/L	0.050		1		12/07/24 09:44	14797-65-0	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Pace Analytical Services - Ormond Beach							
Chloride	ND	mg/L	5.0		1		12/14/24 00:06	16887-00-6	
Fluoride	ND	mg/L	0.050		1		12/14/24 00:06	16984-48-8	
Sulfate	ND	mg/L	5.0		1		12/14/24 00:06	14808-79-8	
335.4 Cyanide, Total		Analytical Method: EPA 335.4 Preparation Method: EPA 335.4 Pace Analytical Services - Ormond Beach							
Cyanide	ND	mg/L	0.010		1	12/16/24 08:59	12/16/24 17:25	57-12-5	

Sample: Artesian Well Coliform		Lab ID: 20339400002		Collected: 12/05/24 12:47		Received: 12/05/24 15:06		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TUSC Total Coliform DW		Analytical Method: SM 9223B Preparation Method: SM 9223B Pace Analytical Services - Tuscaloosa							
Total Coliforms	<1.0	MPN/100mL	1.0		1	12/05/24 15:55	12/06/24 11:10		N2
E.coli, Bacteria	<1.0	MPN/100mL	1.0		1	12/05/24 15:55	12/06/24 11:10		N2

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QUALIFIERS

Project: Artesian PSI
Pace Project No.: 20339400

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
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
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.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Artesian PSI
Pace Project No.: 20339400

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20339400001	Artesian Well	EPA 200.7	1061815	EPA 200.7	1061899
20339400001	Artesian Well	EPA 200.8	1061813	EPA 200.8	1061896
20339400001	Artesian Well	EPA 245.1	1063519	EPA 245.1	1063553
20339400001	Artesian Well	SM 2120B 2011	349465		
20339400001	Artesian Well	SM 2130B	349464		
20339400001	Artesian Well	SM 2150B	349372		
20339400001	Artesian Well	SM 4500-H+B	349463		
20339400002	Artesian Well Coliform	SM 9223B	349484	SM 9223B	349603
20339400001	Artesian Well	SM 2320B	1064026		
20339400001	Artesian Well	SM 2510B	1061565		
20339400001	Artesian Well	SM 2540C	1061655		
20339400001	Artesian Well	SM 5540C	1061539	SM 5540C	1061600
20339400001	Artesian Well	EPA 300.0	1061562		
20339400001	Artesian Well	EPA 300.0	1063123		
20339400001	Artesian Well	EPA 335.4	1063448	EPA 335.4	1063540

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CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

NO#: 20339400



20339400

[illegible]



WO#: 2033400

Project #
Project Manager:
Client:

PM: CRS Due Date: 12/20/24
CLIENT: TU-Prattville

Date and Initials of person:

Examining contents:

Verifying pH:

Initials: KWI

Thermometer Used: TUTM21

Date: 12-5-24

Time: 1523

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 8.5 (Visual) 0 (Correction Factor) 8.5 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☒ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process has begun.

☐ Samples on ice, cooling process 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:

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

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 Time:

Shorted Date:

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

Preservative:

Date:

All containers needing preservation are found to be in compliance with EPA recommendation: ☐ Yes ☐ No ☒ N/A

Lot / Trace:

Time:

Exceptions: Vials, Microbiology, O&G, PFAS

Amount added (mL):

Initials:

Headspace in Volatile Vials? ($> 8\text{mm}$): ☐ Yes ☐ No ☒ N/A

Trip Blank Present: ☐ Yes ☐ No ☒ N/A

Comments / Resolutions (use back for additional comments):

MICRO TOTAL COLIFORM SAMPLE RECEIPT

Labeled by:

Reviewed by:

Delivered by: