



December 30, 2024

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

RE: Project: Artesian Well
Pace Project No.: 20339493

Dear Mr. IV:

Enclosed are the analytical results for sample(s) received by the laboratory between December 05, 2024 and December 11, 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

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

Sincerely,

A handwritten signature in cursive script that reads "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 Well
Pace Project No.: 20339493

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

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SAMPLE SUMMARY

Project: Artesian Well
Pace Project No.: 20339493

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20339493001	Artesian Well	Drinking Water	12/05/24 12:50	12/05/24 15:06
20339493002	504 Trip Blank	Drinking Water	12/06/24 11:25	12/11/24 17:00

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SAMPLE ANALYTE COUNT

Project: Artesian Well
Pace Project No.: 20339493

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20339493001	Artesian Well	EPA 504.1	SCL	2	PASI-O
		EPA 505	SCL	10	PASI-O
		EPA 515.3	LJM	13	PASI-O
		EPA 525.3	KPP	16	PASI-O
		EPA 531.2	AIO	3	PASI-O
		EPA 547	AIO	1	PASI-O
		EPA 549.2	AIO	2	PASI-O
		EPA 548.1	TCF	1	PASI-O
20339493002	504 Trip Blank	EPA 504.1	SCL	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: Artesian Well
Pace Project No.: 20339493

Sample: Artesian Well Lab ID: 20339493001 Collected: 12/05/24 12:50 Received: 12/05/24 15:06 Matrix: Drinking Water									
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	.2	1	12/13/24 17:52	12/14/24 00:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.010	.02	1	12/13/24 17:52	12/14/24 00:17	106-93-4	
505 GCS PCB-TOX-TCH Analytical Method: EPA 505 Preparation Method: EPA 505 Pace Analytical Services - Ormond Beach									
Chlordane (Technical)	ND	ug/L	0.21	2	1	12/16/24 16:05	12/17/24 04:06	57-74-9	
PCB-1016 (Aroclor 1016)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	11096-82-5	
PCB, Total	ND	ug/L	0.10	.5	1	12/16/24 16:05	12/17/24 04:06	1336-36-3	
Toxaphene	ND	ug/L	1.0	3	1	12/16/24 16:05	12/17/24 04:06	8001-35-2	
515.3 Chlorinated Herbicides Analytical Method: EPA 515.3 Preparation Method: EPA 515.3 Pace Analytical Services - Ormond Beach									
Acifluorfen	ND	ug/L	0.10		1	12/11/24 16:57	12/12/24 21:06	62476-59-9	
Bentazon	ND	ug/L	0.20		1	12/11/24 16:57	12/12/24 21:06	25057-89-0	1b
2,4-D	ND	ug/L	0.10	70	1	12/11/24 16:57	12/12/24 21:06	94-75-7	
Dalapon	ND	ug/L	1.0	200	1	12/11/24 16:57	12/12/24 21:06	75-99-0	
2,4-DB	ND	ug/L	2.0		1	12/11/24 16:57	12/12/24 21:06	94-82-6	
Dicamba	ND	ug/L	0.10		1	12/11/24 16:57	12/12/24 21:06	1918-00-9	
Dichlorprop	ND	ug/L	0.70		1	12/11/24 16:57	12/12/24 21:06	120-36-5	
Dinoseb	ND	ug/L	0.20	7	1	12/11/24 16:57	12/12/24 21:06	88-85-7	
Pentachlorophenol	ND	ug/L	0.040	1	1	12/11/24 16:57	12/12/24 21:06	87-86-5	
Picloram	ND	ug/L	0.10	500	1	12/11/24 16:57	12/12/24 21:06	1918-02-1	
2,4,5-T	ND	ug/L	0.20		1	12/11/24 16:57	12/12/24 21:06	93-76-5	
2,4,5-TP (Silvex)	ND	ug/L	0.20	50	1	12/11/24 16:57	12/12/24 21:06	93-72-1	
Surrogates									
2,4-DCAA (S)	86	%	70-130		1	12/11/24 16:57	12/12/24 21:06	19719-28-9	
525.3 Pesticides Semivolatiles Analytical Method: EPA 525.3 Preparation Method: EPA 525.3 Pace Analytical Services - Ormond Beach									
Alachlor	ND	ug/L	0.20	2	1	12/11/24 09:00	12/23/24 01:49	15972-60-8	
Atrazine	ND	ug/L	0.098	3	1	12/11/24 09:00	12/23/24 01:49	1912-24-9	
Benzo(a)pyrene	ND	ug/L	0.098	.2	1	12/11/24 09:00	12/23/24 01:49	50-32-8	
gamma-BHC (Lindane)	ND	ug/L	0.020	.2	1	12/11/24 09:00	12/23/24 01:49	58-89-9	
Endrin	ND	ug/L	0.010	2	1	12/11/24 09:00	12/23/24 01:49	72-20-8	
bis(2-Ethylhexyl)adipate	ND	ug/L	1.5	400	1	12/11/24 09:00	12/23/24 01:49	103-23-1	
bis(2-Ethylhexyl)phthalate	ND	ug/L	2.0	6	1	12/11/24 09:00	12/23/24 01:49	117-81-7	
Heptachlor	ND	ug/L	0.039	.4	1	12/11/24 09:00	12/23/24 01:49	76-44-8	
Heptachlor epoxide	ND	ug/L	0.020	.2	1	12/11/24 09:00	12/23/24 01:49	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.098	1	1	12/11/24 09:00	12/23/24 01:49	118-74-1	

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ANALYTICAL RESULTS

Project: Artesian Well
Pace Project No.: 20339493

Sample: Artesian Well		Lab ID: 20339493001		Collected: 12/05/24 12:50		Received: 12/05/24 15:06		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
525.3 Pesticides Semivolatiles									
Analytical Method: EPA 525.3 Preparation Method: EPA 525.3									
Pace Analytical Services - Ormond Beach									
Hexachlorocyclopentadiene	ND	ug/L	0.098	50	1	12/11/24 09:00	12/23/24 01:49	77-47-4	
Methoxychlor	ND	ug/L	0.098	40	1	12/11/24 09:00	12/23/24 01:49	72-43-5	
Simazine	ND	ug/L	0.17	4	1	12/11/24 09:00	12/23/24 01:49	122-34-9	
Surrogates									
1,3-Dimethyl-2-nitrobenzene(S)	91	%	70-130		1	12/11/24 09:00	12/23/24 01:49	81209	
Benzo(a)pyrene-d12 (S)	83	%	70-130		1	12/11/24 09:00	12/23/24 01:49		
Triphenylphosphate (S)	91	%	70-130		1	12/11/24 09:00	12/23/24 01:49	115-86-6	
531.2 HPLC Carbamates									
Analytical Method: EPA 531.2									
Pace Analytical Services - Ormond Beach									
Carbofuran	ND	ug/L	0.90	40	1		12/13/24 04:24	1563-66-2	
Oxamyl	ND	ug/L	2.0	200	1		12/13/24 04:24	23135-22-0	
Surrogates									
BDMC (S)	110	%	70-130		1		12/13/24 04:24		
547 HPLC Glyphosate									
Analytical Method: EPA 547									
Pace Analytical Services - Ormond Beach									
Glyphosate	ND	ug/L	6.0	700	1		12/11/24 03:11		
549.2 HPLC Paraquat Diquat									
Analytical Method: EPA 549.2 Preparation Method: EPA 549.2									
Pace Analytical Services - Ormond Beach									
Diquat	ND	ug/L	0.40	20	1	12/09/24 22:00	12/10/24 21:43	85-00-7	
Paraquat	ND	ug/L	0.40		1	12/09/24 22:00	12/10/24 21:43	1910-42-5	
548.1 GCS Endothall									
Analytical Method: EPA 548.1 Preparation Method: EPA 548.1									
Pace Analytical Services - Ormond Beach									
Endothall	ND	ug/L	9.0	100	1	12/11/24 16:32	12/13/24 11:44		

Sample: 504 Trip Blank		Lab ID: 20339493002		Collected: 12/06/24 11:25		Received: 12/11/24 17:00		Matrix: Drinking Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP									
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1									
Pace Analytical Services - Ormond Beach									
1,2-Dibromo-3-chloropropane	ND	ug/L	0.020	.2	1	12/13/24 17:52	12/13/24 22:53	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.0099	.02	1	12/13/24 17:52	12/13/24 22:53	106-93-4	

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QUALIFIERS

Project: Artesian Well
Pace Project No.: 20339493

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

1b The recovery of the analyte in the CRDL standard (also known as the reporting limit verification) was above the acceptance criteria. Results may be bias high.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Artesian Well

Pace Project No.: 20339493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20339493001	Artesian Well	EPA 504.1	1063217	EPA 504.1	1063238
20339493002	504 Trip Blank	EPA 504.1	1063217	EPA 504.1	1063238
20339493001	Artesian Well	EPA 505	1063525	EPA 505	1063645
20339493001	Artesian Well	EPA 515.3	1062561	EPA 515.3	1062640
20339493001	Artesian Well	EPA 525.3	1062327	EPA 525.3	1064227
20339493001	Artesian Well	EPA 531.2	1062920		
20339493001	Artesian Well	EPA 547	1062264		
20339493001	Artesian Well	EPA 549.2	1061939	EPA 549.2	1062197
20339493001	Artesian Well	EPA 548.1	1062550	EPA 548.1	1062813

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Pace

WO#: 20339493

PM: CRS Due Date: 12/30/24
CLIENT: TU-Prattville

Project
Project Manager
Client:

Date and Initials of person:

Examining contents:

Verifying pH:

Thermometer Used: TUTM13

Date: 12/5/24

Time: 1506

Initials: STR

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 5.6 (Visual) 0 (Correction Factor) 5.6 (Actual)

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

Recheck for QOT °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: ☐ Redplant ☐ 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: Trip Blank in Amber vial

Containers Intact.

☒ Yes ☐ No ☐ N/A

Comments:

Sample Labels Match COC (Sample ID, Date/Time of Collection).

☐ Yes ☒ No ☐ N/A

Comments: Blank

All containers needing acid / base preservation have been checked.

☒ Yes ☐ No ☐ N/A

Preservation Information

Preservative: _____

Date: _____

Lot / Trace: _____

Time: _____

Amount added (mL): _____

Initials: _____

All containers needing preservation are found to be in compliance with EPA recommendation:

☐ Yes ☒ No ☐ N/A

Exceptions: Vials, Microbiology, O&G, PFAS

Headspace in Volatile Vials? (>6mm):

☒ Yes ☐ No ☐ N/A

504-2439619

Trip Blank Present:

☒ Yes ☐ No ☐ N/A

Comments / Resolutions (use back for additional comments):

Both 525's pH between 3 and 4

Labeled by:

Reviewed by:

Delivered by: