



Pace Analytical Services, LLC
225 Industrial Park RD
Beaver, WV 25813
(800)999-0105

CERTIFICATIONS

Project: WTG WWTP
Pace Project No.: 30845706

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
New York DOH Lab ID12167 SN69208
Virginia VELAP 460148
West Virginia DEP 060

West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

Pace Analytical Services Lexington

782 North Lee Highway, Lexington, VA 24450

Virginia VELAP 460150

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WTG WWTP
Pace Project No.: 30845706

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30845706001	#1	Water	02/12/26 11:30	02/12/26 13:17
30845706002	#2	Water	02/12/26 11:55	02/12/26 13:17
30845706003	#3	Water	02/12/26 12:05	02/12/26 13:17

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SAMPLE ANALYTE COUNT

Project: WTG WWTP
Pace Project No.: 30845706

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30845706001	#1	SM 2540D - 2020	JS3	1	PASI-BV
		EPA 350.1, Rev 2.0	JWH	1	PASI-BV
30845706002	#2	SM 5210B-2016	RPM	1	PASI-BV
		SM 2540D - 2020	JS3	1	PASI-BV
		EPA 350.1, Rev 2.0	JWH	1	PASI-BV
		SM 5210B-2016	MRL	1	PASI-BV
		Colilert 18-MPN	ATJ	1	PASI-LE
30845706003	#3	SM 2540D - 2020	JS3	1	PASI-BV
		EPA 350.1, Rev 2.0	JWH	1	PASI-BV
		SM 5210B-2016	MRL	1	PASI-BV
		Colilert 18-MPN	ATJ	1	PASI-LE

PASI-BV = Pace Analytical Services - Beaver
PASI-LE = Pace Analytical Services - Lexington

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ANALYTICAL RESULTS

Project: WTG WWTP

Pace Project No.: 30845706

Sample: #1		Lab ID: 30845706001		Collected: 02/12/26 11:30		Received: 02/12/26 13:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver							
Total Suspended Solids	35.0	mg/L	1.7	1		02/16/26 15:29			
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver							
Nitrogen, Ammonia	42.0	mg/L	0.10	1		02/13/26 10:43	7664-41-7		
BVR 5210B BOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver							
BOD, 5 day	16.9	mg/L	16.3	12	02/13/26 21:57	02/18/26 19:10		B4,L2	

Sample: #2		Lab ID: 30845706002		Collected: 02/12/26 11:55		Received: 02/12/26 13:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver							
Total Suspended Solids	3.1	mg/L	0.50	1		02/16/26 15:29			
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver							
Nitrogen, Ammonia	9.5	mg/L	0.10	1		02/13/26 10:44	7664-41-7		
BVR 5210B cBOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver							
Carbonaceous BOD, 5 day	ND	mg/L	2.0	1	02/13/26 15:05	02/18/26 12:29			
LBIO TCEC (MPN-18WT)		Analytical Method: Colilert 18-MPN Preparation Method: Colilert 18-MPN Pace Analytical Services - Lexington							
E.coli	33.1	MPN/100mL	1.0	1	02/12/26 17:03	02/13/26 13:08			

Sample: #3		Lab ID: 30845706003		Collected: 02/12/26 12:05		Received: 02/12/26 13:17		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver							
Total Suspended Solids	1.4	mg/L	0.50	1		02/16/26 15:29			
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver							
Nitrogen, Ammonia	ND	mg/L	0.10	1		02/13/26 10:45	7664-41-7		

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ANALYTICAL RESULTS

Project: WTG WWTP

Pace Project No.: 30845706

Sample: #3		Lab ID: 30845706003		Collected: 02/12/26 12:05		Received: 02/12/26 13:17		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 5210B cBOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver							
Carbonaceous BOD, 5 day		ND	mg/L	2.0	1	02/13/26 15:05	02/18/26 12:33		
LBIO TCEC (MPN-18WT)		Analytical Method: Colilert 18-MPN Preparation Method: Colilert 18-MPN Pace Analytical Services - Lexington							
E.coli		18.3	MPN/100mL	1.0	1	02/12/26 17:03	02/13/26 13:08		

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QUALIFIERS

Project: WTG WWTP

Pace Project No.: 30845706

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B4 The glucose/glutamic acid standard exceeded the range of 198 plus or minus 30.5 mg/L.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WTG WWTP
Pace Project No.: 30845706

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30845706001	#1	SM 2540D - 2020	800159		
30845706002	#2	SM 2540D - 2020	800159		
30845706003	#3	SM 2540D - 2020	800159		
30845706001	#1	EPA 350.1, Rev 2.0	799734		
30845706002	#2	EPA 350.1, Rev 2.0	799734		
30845706003	#3	EPA 350.1, Rev 2.0	799734		
30845706001	#1	SM 5210B-2016	799939	SM 5210B-2016	800694
30845706002	#2	SM 5210B-2016	799839	SM 5210B-2016	800572
30845706003	#3	SM 5210B-2016	799839	SM 5210B-2016	800572
30845706002	#2	Colilert 18-MPN	799961	Colilert 18-MPN	799962
30845706003	#3	Colilert 18-MPN	799961	Colilert 18-MPN	799962

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Pace Project No.: 30856741

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813

New York DOH Lab ID12167 SN69208

Virginia VELAP 460148

West Virginia DEP 060

West Virginia DHHR 00412CM

North Carolina DEQ 466

Kentucky Wastewater Certification KY90039

Pennsylvania DEP 68-00839

Pace Analytical Services Lexington

782 North Lee Highway, Lexington, VA 24450

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SAMPLE SUMMARY

Project: WTG WWTP
Pace Project No.: 30856741

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30856741001	EFFLUENT	Water	03/31/26 13:22	03/31/26 14:50
30856741002	EFFLUENT	Water	03/31/26 13:22	03/31/26 14:50
30856741003	EFFLUENT	Water	03/31/26 13:22	03/31/26 14:50
30856741004	EFFLUENT	Water	03/31/26 13:23	03/31/26 14:50
30856741005	EFFLUENT	Water	03/31/26 13:23	03/31/26 14:50
30856741006	EFFLUENT	Water	03/31/26 13:23	03/31/26 14:50
30856741007	EFFLUENT	Water	03/31/26 12:23	03/31/26 14:50
30856741008	EFFLUENT	Water	03/31/26 12:23	03/31/26 14:50
30856741009	EFFLUENT	Water	03/31/26 12:23	03/31/26 14:50
30856741010	EFFLUENT	Water	03/31/26 12:26	03/31/26 14:50
30856741011	EFFLUENT	Water	03/31/26 13:45	03/31/26 14:50

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SAMPLE ANALYTE COUNT

Project: WTG WWTP
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Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30856741001	EFFLUENT	SM 2540D - 2020	JS3	1	PASI-BV
30856741002	EFFLUENT	SM 2540D - 2020	JS3	1	PASI-BV
30856741003	EFFLUENT	SM 2540D - 2020	JS3	1	PASI-BV
30856741004	EFFLUENT	SM 5210B-2016	WO	1	PASI-BV
30856741005	EFFLUENT	SM 5210B-2016	WO	1	PASI-BV
30856741006	EFFLUENT	SM 5210B-2016	WO	1	PASI-BV
30856741007	EFFLUENT	EPA 350.1, Rev 2.0	MRL	1	PASI-BV
30856741008	EFFLUENT	EPA 350.1, Rev 2.0	MRL	1	PASI-BV
30856741009	EFFLUENT	EPA 350.1, Rev 2.0	MRL	1	PASI-BV
30856741010	EFFLUENT	Colilert 18-MPN	ATJ	1	PASI-LE
30856741011	EFFLUENT	Colilert 18-MPN	ATJ	1	PASI-LE

PASI-BV = Pace Analytical Services - Beaver

PASI-LE = Pace Analytical Services - Lexington

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ANALYTICAL RESULTS

Project: WTG WWTP
Pace Project No.: 30856741

Sample: EFFLUENT		Lab ID: 30856741001	Collected: 03/31/26 13:22	Received: 03/31/26 14:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver						
Total Suspended Solids	118	mg/L	5.0	1		04/01/26 14:31		

Sample: EFFLUENT		Lab ID: 30856741002	Collected: 03/31/26 13:22	Received: 03/31/26 14:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver						
Total Suspended Solids	3.2	mg/L	0.50	1		04/01/26 14:31		

Sample: EFFLUENT		Lab ID: 30856741003	Collected: 03/31/26 13:22	Received: 03/31/26 14:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 2540D Total Suspend Solids		Analytical Method: SM 2540D - 2020 Pace Analytical Services - Beaver						
Total Suspended Solids	4.2	mg/L	0.50	1		04/01/26 14:31		

Sample: EFFLUENT		Lab ID: 30856741004	Collected: 03/31/26 13:23	Received: 03/31/26 14:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 5210B BOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver						
BOD, 5 day	68.9	mg/L	15.4	12	04/01/26 20:40	04/06/26 15:33		

Sample: EFFLUENT		Lab ID: 30856741005	Collected: 03/31/26 13:23	Received: 03/31/26 14:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 5210B BOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver						
BOD, 5 day	ND	mg/L	2.0	1	04/01/26 20:40	04/06/26 15:36		

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ANALYTICAL RESULTS

Project: WTG WWTP

Pace Project No.: 30856741

Sample: EFFLUENT		Lab ID: 30856741006	Collected: 03/31/26 13:23		Received: 03/31/26 14:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 5210B BOD, 5 day-RL-DFS		Analytical Method: SM 5210B-2016 Preparation Method: SM 5210B-2016 Pace Analytical Services - Beaver						
BOD, 5 day	ND	mg/L	2.0	1	04/01/26 20:40	04/06/26 15:38		

Sample: EFFLUENT		Lab ID: 30856741007	Collected: 03/31/26 12:23		Received: 03/31/26 14:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver						
Nitrogen, Ammonia	17.9	mg/L	0.10	1		04/01/26 12:41	7664-41-7	

Sample: EFFLUENT		Lab ID: 30856741008	Collected: 03/31/26 12:23		Received: 03/31/26 14:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver						
Nitrogen, Ammonia	ND	mg/L	0.10	1		04/01/26 12:48	7664-41-7	M1

Sample: EFFLUENT		Lab ID: 30856741009	Collected: 03/31/26 12:23		Received: 03/31/26 14:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 BVR Ammonia		Analytical Method: EPA 350.1, Rev 2.0 Pace Analytical Services - Beaver						
Nitrogen, Ammonia	ND	mg/L	0.10	1		04/01/26 12:51	7664-41-7	

Sample: EFFLUENT		Lab ID: 30856741010	Collected: 03/31/26 12:26		Received: 03/31/26 14:50		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
LBIO TCEC (MPN-18WT)		Analytical Method: Colilert 18-MPN Preparation Method: Colilert 18-MPN Pace Analytical Services - Lexington						
E.coli	<1.0	MPN/100mL	1.0	1	03/31/26 16:44	04/01/26 11:45		

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ANALYTICAL RESULTS

Project: WTG WWTP

Pace Project No.: 30856741

Sample: EFFLUENT		Lab ID: 30856741011	Collected: 03/31/26 13:45	Received: 03/31/26 14:50	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No. Qual
LBIO TCEC (MPN-18WT)		Analytical Method: Colilert 18-MPN Preparation Method: Colilert 18-MPN Pace Analytical Services - Lexington					
E.coli	5.2	MPN/100mL	1.0	1	03/31/26 16:44	04/01/26 11:45	

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QUALIFIERS

Project: WTG WWTP

Pace Project No.: 30856741

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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)

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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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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