Pace Analytical Services, LLC
6701 Conference Drive
Raleigh, NC 27607
(919)834-4984

August 29, 2025

Mike Turner
City of Creedmoor
P O Box 765
Creedmoor, NC 27522

RE: Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Dear Mike Turner:

Enclosed are the analytical results for sample(s) received by the laboratory on August 18, 2025. The results relate only to the samples included in this report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - Ormond Beach

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

Sincerely,

Terri Page
terri.page@pacelabs.com
336-904-4231
Project Manager

Enclosures

cc: Accounts Payable, City of Creedmoor

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CERTIFICATIONS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

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

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

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SAMPLE ANALYTE COUNT

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92813597001	**1973 BOWLES AVENUE OUTSIDE**	EPA 200.7	AF	4	PASI-O
		EPA 200.8	EAP	10	PASI-O
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92813597002	**2111 WESTBOURNE DR OUTSIDE**	EPA 200.7	AF	4	PASI-O
		EPA 200.8	EAP	10	PASI-O
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92813597003	**2560 MINT JULEP DR BR SINK**	EPA 200.7	AF	4	PASI-O
		EPA 200.8	EAP	10	PASI-O
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92813597004	**310 WHITEHALL DR KITCHEN SINK**	EPA 200.7	AF	4	PASI-O
		EPA 200.8	EAP	10	PASI-O
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92813597005	**1837 FILLMORE DR OUTSIDE**	EPA 200.7	AF	4	PASI-O
		EPA 200.8	EAP	10	PASI-O
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Sample: 1973 BOWLES AVENUE OUTSIDE **Lab ID: 92813597001** Collected: 08/18/25 10:10 Received: 08/18/25 14:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach							
Calcium	**5.1**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:03	7440-70-2	
Iron	**0.058**	mg/L	0.040	1	08/27/25 23:28	08/28/25 17:03	7439-89-6	
Magnesium	**1.5**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:03	7439-95-4	
Sodium	**30.1**	mg/L	2.0	1	08/27/25 23:28	08/28/25 17:03	7440-23-5	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7440-38-2	
Barium	**0.021**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7440-39-3	
Cadmium	ND	mg/L	0.00020	1	08/27/25 23:28	08/28/25 13:32	7440-43-9	
Copper	**0.0026**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7440-50-8	
Lead	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7439-92-1	
Manganese	**0.0026**	mg/L	0.0020	1	08/27/25 23:28	08/28/25 13:32	7439-96-5	
Nickel	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7440-02-0	
Selenium	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:32	7782-49-2	
Silver	ND	mg/L	0.00010	1	08/27/25 23:28	08/28/25 13:32	7440-22-4	
Zinc	ND	mg/L	0.0050	1	08/27/25 23:28	08/28/25 13:32	7440-66-6	
300.0 IC Anions 28 Days DW	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	**9.6**	mg/L	1.0	1		08/20/25 02:39	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		08/20/25 02:39	16984-48-8	
Sulfate	**45.2**	mg/L	1.0	1		08/20/25 02:39	14808-79-8	

Sample: 2111 WESTBOURNE DR OUTSIDE **Lab ID: 92813597002** Collected: 08/18/25 10:35 Received: 08/18/25 14:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach							
Calcium	**4.6**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:06	7440-70-2	
Iron	**0.24**	mg/L	0.040	1	08/27/25 23:28	08/28/25 17:06	7439-89-6	
Magnesium	**1.4**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:06	7439-95-4	
Sodium	**30.0**	mg/L	2.0	1	08/27/25 23:28	08/28/25 17:06	7440-23-5	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7440-38-2	
Barium	**0.022**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7440-39-3	
Cadmium	ND	mg/L	0.00020	1	08/27/25 23:28	08/28/25 13:34	7440-43-9	
Copper	**0.062**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7440-50-8	
Lead	**0.0012**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7439-92-1	
Manganese	**0.013**	mg/L	0.0020	1	08/27/25 23:28	08/28/25 13:34	7439-96-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Sample: 2111 WESTBOURNE DR OUTSIDE **Lab ID: 92813597002** Collected: 08/18/25 10:35 Received: 08/18/25 14:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Nickel	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7440-02-0	
Selenium	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:34	7782-49-2	
Silver	ND	mg/L	0.00010	1	08/27/25 23:28	08/28/25 13:34	7440-22-4	
Zinc	**0.0056**	mg/L	0.0050	1	08/27/25 23:28	08/28/25 13:34	7440-66-6	
300.0 IC Anions 28 Days DW	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	**9.5**	mg/L	1.0	1		08/20/25 02:53	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		08/20/25 02:53	16984-48-8	
Sulfate	**45.4**	mg/L	1.0	1		08/20/25 02:53	14808-79-8	

Sample: 2560 MINT JULEP DR BR SINK **Lab ID: 92813597003** Collected: 08/18/25 11:00 Received: 08/18/25 14:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach							
Calcium	**4.6**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:09	7440-70-2	
Iron	**0.048**	mg/L	0.040	1	08/27/25 23:28	08/28/25 17:09	7439-89-6	
Magnesium	**1.4**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:09	7439-95-4	
Sodium	**30.8**	mg/L	2.0	1	08/27/25 23:28	08/28/25 17:09	7440-23-5	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7440-38-2	
Barium	**0.020**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7440-39-3	
Cadmium	ND	mg/L	0.00020	1	08/27/25 23:28	08/28/25 13:36	7440-43-9	
Copper	**0.0040**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7440-50-8	
Lead	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7439-92-1	
Manganese	**0.0024**	mg/L	0.0020	1	08/27/25 23:28	08/28/25 13:36	7439-96-5	
Nickel	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7440-02-0	
Selenium	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:36	7782-49-2	
Silver	ND	mg/L	0.00010	1	08/27/25 23:28	08/28/25 13:36	7440-22-4	
Zinc	**0.0063**	mg/L	0.0050	1	08/27/25 23:28	08/28/25 13:36	7440-66-6	
300.0 IC Anions 28 Days DW	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	**9.5**	mg/L	1.0	1		08/20/25 03:08	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		08/20/25 03:08	16984-48-8	
Sulfate	**45.9**	mg/L	1.0	1		08/20/25 03:08	14808-79-8	

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ANALYTICAL RESULTS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Sample: 310 WHITEHALL DR KITCHEN SINK | **Lab ID: 92813597004** | Collected: 08/18/25 11:25 | Received: 08/18/25 14:07 | Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach							
Calcium	**4.6**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:12	7440-70-2	
Iron	**0.055**	mg/L	0.040	1	08/27/25 23:28	08/28/25 17:12	7439-89-6	
Magnesium	**1.5**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:12	7439-95-4	
Sodium	**31.0**	mg/L	2.0	1	08/27/25 23:28	08/28/25 17:12	7440-23-5	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7440-38-2	
Barium	**0.020**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7440-39-3	
Cadmium	ND	mg/L	0.00020	1	08/27/25 23:28	08/28/25 13:38	7440-43-9	
Copper	**0.0035**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7440-50-8	
Lead	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7439-92-1	
Manganese	**0.0027**	mg/L	0.0020	1	08/27/25 23:28	08/28/25 13:38	7439-96-5	
Nickel	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7440-02-0	
Selenium	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:38	7782-49-2	
Silver	ND	mg/L	0.00010	1	08/27/25 23:28	08/28/25 13:38	7440-22-4	
Zinc	**0.0052**	mg/L	0.0050	1	08/27/25 23:28	08/28/25 13:38	7440-66-6	
300.0 IC Anions 28 Days DW	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	**9.5**	mg/L	1.0	1		08/20/25 03:22	16887-00-6	
Fluoride	**0.30**	mg/L	0.10	1		08/20/25 03:22	16984-48-8	
Sulfate	**45.7**	mg/L	1.0	1		08/20/25 03:22	14808-79-8	

Sample: 1837 FILLMORE DR OUTSIDE | **Lab ID: 92813597005** | Collected: 08/18/25 11:45 | Received: 08/18/25 14:07 | Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP, Drinking Water	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach							
Calcium	**5.4**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:15	7440-70-2	
Iron	**0.063**	mg/L	0.040	1	08/27/25 23:28	08/28/25 17:15	7439-89-6	
Magnesium	**1.6**	mg/L	0.50	1	08/27/25 23:28	08/28/25 17:15	7439-95-4	
Sodium	**29.2**	mg/L	2.0	1	08/27/25 23:28	08/28/25 17:15	7440-23-5	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Arsenic	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7440-38-2	
Barium	**0.020**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7440-39-3	
Cadmium	ND	mg/L	0.00020	1	08/27/25 23:28	08/28/25 13:39	7440-43-9	
Copper	**0.014**	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7440-50-8	
Lead	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7439-92-1	
Manganese	**0.0029**	mg/L	0.0020	1	08/27/25 23:28	08/28/25 13:39	7439-96-5	

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ANALYTICAL RESULTS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Sample: 1837 FILLMORE DR OUTSIDE **Lab ID: 92813597005** Collected: 08/18/25 11:45 Received: 08/18/25 14:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Nickel	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7440-02-0	
Selenium	ND	mg/L	0.0010	1	08/27/25 23:28	08/28/25 13:39	7782-49-2	
Silver	ND	mg/L	0.00010	1	08/27/25 23:28	08/28/25 13:39	7440-22-4	
Zinc	ND	mg/L	0.0050	1	08/27/25 23:28	08/28/25 13:39	7440-66-6	
300.0 IC Anions 28 Days DW	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	**9.6**	mg/L	1.0	1		08/20/25 03:37	16887-00-6	
Fluoride	**0.29**	mg/L	0.10	1		08/20/25 03:37	16984-48-8	
Sulfate	**44.5**	mg/L	1.0	1		08/20/25 03:37	14808-79-8	

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QUALITY CONTROL DATA

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

QC Batch: 1124806 | Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 | Analysis Description: 200.7 MET Drinking Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

METHOD BLANK: 6167504 Matrix: Water
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Calcium	mg/L	ND	0.50	08/28/25 13:03	
Iron	mg/L	ND	0.040	08/28/25 13:03	
Magnesium	mg/L	ND	0.50	08/28/25 13:03	
Sodium	mg/L	ND	2.0	08/28/25 13:03	

LABORATORY CONTROL SAMPLE: 6167505

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	12.5	12.6	101	85-115	
Iron	mg/L	2.5	2.6	103	85-115	
Magnesium	mg/L	12.5	12.6	101	85-115	
Sodium	mg/L	12.5	12.8	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6167506 6167507

Parameter	Units	20364490001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Calcium	mg/L	1.5	12.5	12.5	14.2	14.2	102	102	70-130	0	
Iron	mg/L	ND	2.5	2.5	2.6	2.6	104	104	70-130	0	
Magnesium	mg/L	0.51	12.5	12.5	13.2	13.3	102	102	70-130	0	
Sodium	mg/L	48.9	12.5	12.5	62.8	62.7	111	110	70-130	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6167508 6167509

Parameter	Units	35979122001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Calcium	mg/L	70.9	12.5	12.5	83.0	83.7	96	102	70-130	1	
Iron	mg/L	0.28	2.5	2.5	2.9	2.9	105	106	70-130	1	
Magnesium	mg/L	15.7	12.5	12.5	28.6	28.9	103	105	70-130	1	
Sodium	mg/L	98.8	12.5	12.5	111	113	97	111	70-130	2	

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.

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QUALITY CONTROL DATA

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

QC Batch: 1124807
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET Drinking Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

METHOD BLANK: 6167511 Matrix: Water
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0010	08/28/25 12:59	
Barium	mg/L	ND	0.0010	08/28/25 12:59	
Cadmium	mg/L	ND	0.00020	08/28/25 12:59	
Copper	mg/L	ND	0.0010	08/28/25 12:59	
Lead	mg/L	ND	0.0010	08/28/25 12:59	
Manganese	mg/L	ND	0.0020	08/28/25 12:59	
Nickel	mg/L	ND	0.0010	08/28/25 12:59	
Selenium	mg/L	ND	0.0010	08/28/25 12:59	
Silver	mg/L	ND	0.00010	08/28/25 12:59	
Zinc	mg/L	ND	0.0050	08/28/25 12:59	

LABORATORY CONTROL SAMPLE: 6167512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.05	0.048	95	85-115	
Barium	mg/L	0.05	0.049	97	85-115	
Cadmium	mg/L	0.005	0.0051	102	85-115	
Copper	mg/L	0.05	0.046	93	85-115	
Lead	mg/L	0.05	0.048	95	85-115	
Manganese	mg/L	0.05	0.052	105	85-115	
Nickel	mg/L	0.05	0.052	104	85-115	
Selenium	mg/L	0.05	0.049	99	85-115	
Silver	mg/L	0.005	0.0050	99	85-115	
Zinc	mg/L	0.25	0.24	94	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6167513 6167514

Parameter	Units	35979057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/L	2.9	0.05	0.05	0.053	0.053	101	101	70-130	0	
Barium	mg/L	134	0.05	0.05	0.18	0.18	97	96	70-130	0	
Cadmium	mg/L	0.050U	0.005	0.005	0.0050	0.0050	100	99	70-130	1	
Copper	mg/L	3.4	0.05	0.05	0.047	0.046	87	86	70-130	1	
Lead	mg/L	0.25U	0.05	0.05	0.050	0.050	99	99	70-130	0	
Manganese	mg/L	0.020	0.05	0.05	0.072	0.071	104	103	70-130	1	
Nickel	mg/L	0.82J	0.05	0.05	0.051	0.051	100	100	70-130	1	
Selenium	mg/L	3.0	0.05	0.05	0.052	0.051	97	97	70-130	1	

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Pace Analytical Services, LLC
6701 Conference Drive
Raleigh, NC 27607
(919)834-4984

QUALITY CONTROL DATA

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6167513 6167514

Parameter	Units	35979057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Silver	mg/L	0.020U	0.005	0.005	0.0048	0.0047	95	95	70-130	1	
Zinc	mg/L	5.0J	0.25	0.25	0.24	0.23	92	91	70-130	1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 6167515 6167516

Parameter	Units	35979426001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/L	<0.00050	0.05	0.05	0.050	0.051	99	101	70-130	2	
Barium	mg/L	0.0011	0.05	0.05	0.051	0.052	100	101	70-130	1	
Cadmium	mg/L	<0.000050	0.005	0.005	0.0052	0.0052	104	105	70-130	1	
Copper	mg/L	<0.00093	0.05	0.05	0.046	0.046	91	92	70-130	1	
Lead	mg/L	<0.00025	0.05	0.05	0.050	0.050	100	100	70-130	0	
Manganese	mg/L	0.0040	0.05	0.05	0.055	0.056	102	103	70-130	1	
Nickel	mg/L	<0.00062	0.05	0.05	0.051	0.051	102	103	70-130	1	
Selenium	mg/L	<0.00083	0.05	0.05	0.050	0.050	99	101	70-130	1	
Silver	mg/L	<0.000020	0.005	0.005	0.0049	0.0049	98	99	70-130	1	
Zinc	mg/L	<0.0043	0.25	0.25	0.24	0.25	97	98	70-130	1	

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(919)834-4984

QUALITY CONTROL DATA

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

QC Batch: 955111
QC Batch Method: EPA 300.0 Rev 2.1 1993
Analysis Method: EPA 300.0 Rev 2.1 1993
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

METHOD BLANK: 4909006 Matrix: Water
Associated Lab Samples: 92813597001, 92813597002, 92813597003, 92813597004, 92813597005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	08/20/25 01:27	
Fluoride	mg/L	ND	0.10	08/20/25 01:27	
Sulfate	mg/L	ND	1.0	08/20/25 01:27	

LABORATORY CONTROL SAMPLE: 4909007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4909008 4909009

Parameter	Units	92813532001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chloride	mg/L	5.3	50	50	55.7	56.8	101	103	90-110	2	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	97	100	90-110	3	
Sulfate	mg/L	4.5	50	50	54.6	55.7	100	102	90-110	2	

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QUALIFIERS

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

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.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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.

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Raleigh, NC 27607
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DRINKING WATER CREEDMOOR NC
Pace Project No.: 92813597

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92813597001	**1973 BOWLES AVENUE OUTSIDE**	EPA 200.7	1124806	EPA 200.7	1124845
92813597002	**2111 WESTBOURNE DR OUTSIDE**	EPA 200.7	1124806	EPA 200.7	1124845
92813597003	**2560 MINT JULEP DR BR SINK**	EPA 200.7	1124806	EPA 200.7	1124845
92813597004	**310 WHITEHALL DR KITCHEN SINK**	EPA 200.7	1124806	EPA 200.7	1124845
92813597005	**1837 FILLMORE DR OUTSIDE**	EPA 200.7	1124806	EPA 200.7	1124845
92813597001	**1973 BOWLES AVENUE OUTSIDE**	EPA 200.8	1124807	EPA 200.8	1124846
92813597002	**2111 WESTBOURNE DR OUTSIDE**	EPA 200.8	1124807	EPA 200.8	1124846
92813597003	**2560 MINT JULEP DR BR SINK**	EPA 200.8	1124807	EPA 200.8	1124846
92813597004	**310 WHITEHALL DR KITCHEN SINK**	EPA 200.8	1124807	EPA 200.8	1124846
92813597005	**1837 FILLMORE DR OUTSIDE**	EPA 200.8	1124807	EPA 200.8	1124846
92813597001	**1973 BOWLES AVENUE OUTSIDE**	EPA 300.0 Rev 2.1 1993	955111		
92813597002	**2111 WESTBOURNE DR OUTSIDE**	EPA 300.0 Rev 2.1 1993	955111		
92813597003	**2560 MINT JULEP DR BR SINK**	EPA 300.0 Rev 2.1 1993	955111		
92813597004	**310 WHITEHALL DR KITCHEN SINK**	EPA 300.0 Rev 2.1 1993	955111		
92813597005	**1837 FILLMORE DR OUTSIDE**	EPA 300.0 Rev 2.1 1993	955111		

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Pace® Location Requested (City/State):
Pace Analytical Raleigh
4915 Waters Edge Drive, Suite 125
Raleigh, NC 27606

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY

WO#: 92813597

92813597

Company Name: Creedmoor, City of
Street Address: P O Box 765, Creedmoor, NC 27522
Customer Project #:
Project Name: METALS TESTING
Site Collection Info/Facility ID (as applicable): Drinking water Creedmoor/NC
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Contact/Report To: Mike Turner
Phone #:
E-Mail: mturner@cityofcreedmoor.org
Cc E-Mail:
Invoice To: Accounts Payable
Invoice E-Mail: accountspayable@cityofcreedmoor.org
Purchase Order # (if applicable):
Quote #:
County / State origin of sample(s): North Carolina
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Specify Container Size **: 3 | 3
Identify Container Preservative Type***: 2 | 1
Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: **Terri Page**; AcctNum / Client ID:; Table #:; Profile / Template: **4848**; Prelog / Bottle Ord. ID: **EZ 3261446**

Preservation non-conformance identified for sample.

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	200.7 AND 200.8 MET DW	300.0 IC Anions 28 Days DW	Sample Comment
1973 Bowles Avenue-Outside spigot	DW	Grab			8/18/25	10:10	2			1	1	pH=8.0su@28.2°celsius
2111 Westbourne Drive-Outside spigot	DW	Grab			8/18/25	10:35	2			1	1	pH=7.8su@26.9°celsius
2560 Mint Julep Drive-Bathroom sink	DW	Grab			8/18/25	11:00	2			1	1	pH=7.8su@26.6°celsius
310 Whitehall Drive-Kitchen sink	DW	Grab			8/18/25	11:25	2			1	1	pH=7.8su@28.9°celsius
1837 Fillmore Drive-Outside spigot	DW	Grab			8/18/25	11:45	2			1	1	pH=8.6su@28.8°celsius

Additional Instructions from Pace®:
TIME= 4 hours total / Mileage= 63 miles total

Collected By (Printed Name): Tyler Collier-PACE
Signature: Tyler Collier-PACE

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers	Thermometer ID	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice
1	9ITOOS	0.0	1.6	1.6	Y

Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time
Tyler Collier-PACE	8/18/2025/14:07	[signature] Pace	8/18/25 1407

Tracking Number:
Delivered by: [ ] In-Person [X] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☒ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: City of Creedmoor

Project #:

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

Custody Seal Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☐ No ☒ N/A

Date/Initials Person Examining Contents: MJW 8/18/25

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

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☐ IR Gun ID: 91T005

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 1.6 **Correction Factor:** Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.6

USDA Regulated Soil (☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

	Yes	No	N/A	Comments/Discrepancy:
Chain of Custody Present?	☒	☐	☐	1.
Samples Arrived within Hold Time?	☒	☐	☐	2.
Short Hold Time Analysis (<72 hr.)?	☐	☒	☐	3.
Rush Turn Around Time Requested?	☐	☒	☐	4.
Sufficient Volume?	☒	☐	☐	5.
Correct Containers Used?	☒	☐	☐	6.
-Pace Containers Used?	☒	☐	☐	
Containers Intact?	☒	☐	☐	7.
Dissolved analysis: Samples Field Filtered?	☐	☒	☐	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: DW	☒	☐	☐	9.
Headspace in VOA Vials (>5-6mm)?	☐	☐	☒	10.
Trip Blank Present?	☐	☐	☒	11.
Trip Blank Custody Seals Present?	☐	☐	☒	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: ____ Date/Time: ____

Project Manager SCURF Review: Ashley Carter **Date:** 8/18/25

Project Manager SRF Review: ____ **Date:** ____

Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☒ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client: City of Creedmoor Profile/EZ (Circle one)________ Notes________

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																													
1		1					✓ 1																						
2		1					✓ 1																						
3		1					✓ 1																						
4		1					✓ 1																						
5		1					✓ 1																						
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.