



Environmental Chemists, Inc.

6602 Windmill Way, Wilmington, NC 28405 • 910.392.0223 Lab • 910.392.4424 Fax
 710 Bowsertown Road, Manteo, NC 27954 • 252.473.5702 Lab/Fax
 255-A Wilmington Highway, Jacksonville, NC 28540 • 910.347.5843 Lab/Fax

ANALYTICAL & CONSULTING CHEMISTS

info@environmentalchemists.com

OFFICIAL COPY

Nov 09 2022

Aqua America of North Carolina

251 Merchants Circle Bldg 24-I

Hampstead NC 28443

Attention:

Date of Report: Sep 09, 2022**Customer PO #:****Customer ID:** 08110027**Report #:** 2022-16722**Project ID:** Cape Master Wells

Lab ID	Sample ID:	Collect Date/Time	Matrix	Sampled by
22-40852	Site: E02	8/25/2022 12:35 PM	DW	Melissa Bunting
Test	Method	Results	Date Analyzed	
Calcium	EPA 200.7	50.7 mg/L	09/07/2022	
Iron	EPA 200.7	0.110 mg/L	09/07/2022	
Magnesium	EPA 200.7	2.98 mg/L	09/07/2022	
Manganese	EPA 200.7	0.023 mg/L	09/07/2022	
Potassium	EPA 200.7	1.24 mg/L	09/07/2022	
Sulfate	EPA 300.0	<15 mg/L	08/26/2022	
Bromide	EPA 300.1	<0.01 mg/L	08/29/2022	
Ammonia Nitrogen	EPA 350.1	0.207 mg/L	09/02/2022	
Alkalinity	SM 2320B	130 mg/L	08/31/2022	
Total Hardness	SM 2340 C	146 mg/L	09/07/2022	
Conductivity	SM 2510 B	389 umho/cm	08/30/2022	
Total Dissolved Solids (TDS)	SM 2540 C	202 mg/L	08/25/2022	
Chloride	SM 4500 Cl B	20 mg/L	09/02/2022	
Orthophosphate as PO4	SM 4500 P E	<0.2 mg/L	08/26/2022	
Sulfide	SM 4500 S D	<0.05 mg/L	08/31/2022	



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Lab ID	Sample ID:	Collect Date/Time	Matrix	Sampled by
22-40853	Site: E01	8/25/2022 2:14 PM	DW	Melissa Bunting
Test	Method	Results	Date Analyzed	
Calcium	EPA 200.7	36.4 mg/L	09/07/2022	
Iron	EPA 200.7	0.153 mg/L	09/07/2022	
Magnesium	EPA 200.7	2.71 mg/L	09/07/2022	
Manganese	EPA 200.7	0.024 mg/L	09/07/2022	
Potassium	EPA 200.7	0.63 mg/L	09/07/2022	
Sulfate	EPA 300.0	<15 mg/L	08/26/2022	
Bromide	EPA 300.1	<0.01 mg/L	08/29/2022	
Ammonia Nitrogen	EPA 350.1	< 0.200 mg/L	09/02/2022	
Alkalinity	SM 2320B	80 mg/L	08/31/2022	
Total Hardness	SM 2340 C	112 mg/L	09/07/2022	
Conductivity	SM 2510 B	264 umho/cm	08/30/2022	
Total Dissolved Solids (TDS)	SM 2540 C	156 mg/L	08/25/2022	
Chloride	SM 4500 Cl B	16 mg/L	09/02/2022	
Orthophosphate as PO4	SM 4500 P E	<0.2 mg/L	08/26/2022	
Sulfide	SM 4500 S D	<0.05 mg/L	08/31/2022	



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Lab ID	Sample ID:	Collect Date/Time	Matrix	Sampled by
22-40854	Site: E04	8/25/2022 1:40 PM	DW	Melissa Bunting
Test	Method	Results	Date Analyzed	
Calcium	EPA 200.7	35.6 mg/L	09/07/2022	
Iron	EPA 200.7	0.123 mg/L	09/07/2022	
Magnesium	EPA 200.7	1.79 mg/L	09/07/2022	
Manganese	EPA 200.7	0.020 mg/L	09/07/2022	
Potassium	EPA 200.7	0.61 mg/L	09/07/2022	
Sulfate	EPA 300.0	<15 mg/L	08/26/2022	
Bromide	EPA 300.1	<0.01 mg/L	08/29/2022	
Ammonia Nitrogen	EPA 350.1	< 0.200 mg/L	09/02/2022	
Alkalinity	SM 2320B	80 mg/L	09/02/2022	
Total Hardness	SM 2340 C	102 mg/L	09/07/2022	
Conductivity	SM 2510 B	250 umho/cm	08/30/2022	
Total Dissolved Solids (TDS)	SM 2540 C	139 mg/L	08/25/2022	
Chloride	SM 4500 Cl B	15 mg/L	09/02/2022	
Orthophosphate as PO4	SM 4500 P E	<0.2 mg/L	08/26/2022	
Sulfide	SM 4500 S D	<0.05 mg/L	08/31/2022	

Comment:

Reviewed by: 

