



Chesapeake Environmental Lab Inc.

A Water Quality Laboratory

Water Analysis • Well & Septic Inspection
P.O. Box 946 • Stevensville, MD 21666
www.ChesapeakeEnvironmentalLab.com
1-800-300-TEST • 410-643-0800
Fax 410-643-0801
St. #181

WATER ANALYSIS REPORT

CASE #: 128267-16
REQUESTED BY: Queen Anne's County Sanitary District

SAMPLE LOCATION: Stevensville WTP
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 11:01am
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	56.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	2.2	mg/L	Not Listed	01-05-2021 / 11:01am	Field*	*JBC
Iron	<0.1	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-0.76	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	0.3	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	8.0	S.U.	Not Listed	01-05-2021 / 11:01am	Field*	*JBC
Phosphate, Ortho	0.12	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	60	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	74.3	°F	Not Listed	01-05-2021 / 11:01am	Field*	*JBC
Calcium Hardness	18.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

COMMENTS:

- SM – 22nd Edition
- This report relates only to the samples as received by the laboratory and may only be reproduced in full.
- (*) Sample analysis ran in the field by QACSD.

DATE REPORTED: 01-12-2021

Dominic DiGiovine
Laboratory Director



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WATER ANALYSIS REPORT

CASE #: 128267-17
REQUESTED BY: Queen Anne's County Sanitary District

SAMPLE LOCATION: CBBP WTP
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 11:27am
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	54.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	1.8	mg/L	Not Listed	01-05-2021 / 11:27am	Field*	*JBC
Iron	<0.1	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-1.34	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	0.4	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	7.5	S.U.	Not Listed	01-05-2021 / 11:27am	Field*	*JBC
Phosphate, Ortho	0.17	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	80	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	76.3	°F	Not Listed	01-05-2021 / 11:27am	Field*	*JBC
Calcium Hardness	16.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

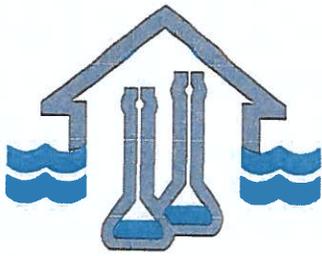
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WATER ANALYSIS REPORT

CASE #: 128267-18
REQUESTED BY: Queen Anne's County Sanitary District

SAMPLE LOCATION: Thompson Creek WTP
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 12:01pm
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	50.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	2.8	mg/L	Not Listed	01-05-2021 / 12:01pm	Field*	*JBC
Iron	<0.1	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-1.21	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	<0.2	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	7.6	S.U.	Not Listed	01-05-2021 / 12:01pm	Field*	*JBC
Phosphate, Ortho	0.13	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	140	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	72.7	°F	Not Listed	01-05-2021 / 12:01pm	Field*	*JBC
Calcium Hardness	18.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

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WATER ANALYSIS REPORT

CASE #: 128267-21
REQUESTED BY: Queen Anne's County Sanitary District
SAMPLE LOCATION: Chenoweth / Broad Creek / Chesapeake Bay City
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 1:47pm
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	56.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	1.1	mg/L	Not Listed	01-05-2021 / 1:47pm	Field*	*JBC
Iron	0.80	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-1.08	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	<0.2	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	7.9	S.U.	Not Listed	01-05-2021 / 1:47pm	Field*	*JBC
Phosphate, Ortho	1.53	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	60	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	50.5	°F	Not Listed	01-05-2021 / 1:47pm	Field*	*JBC
Calcium Hardness	22.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

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WATER ANALYSIS REPORT

CASE #: 128267-22
REQUESTED BY: Queen Anne's County Sanitary District

SAMPLE LOCATION: 440 Conor Hydrant Ella Dr
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 2:14pm
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	50.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	0.6	mg/L	Not Listed	01-05-2021 / 2:14pm	Field*	*JBC
Iron	1.30	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-1.39	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	<0.2	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	7.6	S.U.	Not Listed	01-05-2021 / 2:14pm	Field*	*JBC
Phosphate, Ortho	0.34	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	110	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	49.5	°F	Not Listed	01-05-2021 / 2:14pm	Field*	*JBC
Calcium Hardness	30.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

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WATER ANALYSIS REPORT

CASE #: 128267-23
REQUESTED BY: Queen Anne's County Sanitary District

SAMPLE LOCATION: 547 Mooring Circle- Bay Bridge Cove
SAMPLE MATRIX: Drinking Water
DATE / TIME COLLECTED: 01-05-2021 / 2:24pm
COLLECTED BY: QACSD- J. Clark

CHEMICAL ANALYSIS

Parameters	Result	Units	Detection Limit	Date / Time Analyzed	Method	Int
Alkalinity	52.0	mg/L	1.0	01-07-2021 / 12:00pm	SM2320B	CD
Free Chlorine (Field)	0.8	mg/L	Not Listed	01-05-2021 / 2:24pm	Field*	*JBC
Iron	0.18	mg/L	0.1	01-06-2021 / 4:00pm	SM3500-FeB	DD
Langelier Index (LI)	-1.15	None	N/A	01-11-2021 / 2:15pm	Hach8073	DD
Manganese	0.2	mg/L	0.2	01-07-2021 / 10:45am	Hach8034	DD
pH (Field)	8.0	S.U.	Not Listed	01-05-2021 / 2:24pm	Field*	*JBC
Phosphate, Ortho	<0.1	mg/L	0.1	01-06-2021 / 12:30pm	SM4500-P-E	CD
TDS	110	mg/L	1.0	01-08-2021 / 10:00am	SM2540C	DD
Temperature (Field)	48.0	°F	Not Listed	01-05-2021 / 2:24pm	Field*	*JBC
Calcium Hardness	20.0	mg/L	1.0	01-09-2021 / 9:30am	SM2340C	DD

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