

Attachment A

Town of Colonial Beach
SEP Water Quality Monitoring Locations



Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 5, 2025

Project #: PR14763 - REVISED

Sample Location: TOWN OF COLONIAL BEACH - MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
5/15/25 1324	TCBSEP - W1	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1315	TCBSEP - W2	Enterococci	866	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1139	TCBSEP - W3	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1119	TCBSEP - W4	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1109	TCBSEP - W5	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1214	TCBSEP - W6	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1302	TCBSEP - W7	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

> = Greater Than

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer

MAL

PR14763

Inboden Environmental Services, Inc.



CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Inboden Environmental Services, Inc.

5790 Main Street, Mt. Jackson, VA 22842

tel: (540) 477-3300 fax: (540) 477-3360 toll free: (800) 648-1010

Email: frontdesk@inbodenenv.com

A NELAP Accredited Laboratory: VELAP Laboratory ID# 460024



PLEASE USE PRINT TO FILL OUT THIS FORM. CORRECTION TAPE, PAINT, OR INK IS PROHIBITED. PLEASE USE BLUE OR BLACK INK.

Client Name: Town of Colonial Beach	Compliance Monitoring? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sample Receipt Checklist (LAB USE ONLY): Custody Signatures Present: Y N NA Correct Bottles/Preservation Used: Y N NA COC & Labels on Bottles Agree: Y N NA Samples Received on Ice: Y N NA CI2 Check for Ammonia?: Y N NA Headspace Acceptable: Y N NA	Samples in Hold Time: Y N NA Short Hold Times Present (<48 Hrs): Y N NA Total # of Bottles: _____
Address: 315 Douglas Avenue Colonial Beach, VA 22443	DW PWS ID#: _____ DW Facility ID: _____		
Contact: Natasha Tucker, Town Manager	Turn Around Time (TAT) <input type="checkbox"/> 7 Day <input type="checkbox"/> Rush* (*Expedite Charges Apply)	Field Filtered (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No Analysis: _____	**Preservation Types: (U) unpreserved, (2) sulfuric acid, (3) nitric acid, (4) sodium hydroxide, (5) hydrochloric acid, (6) sodium sulfite, (7) sodium thiosulfate, (8) ascorbic acid, (9) zinc acetate, (O) Other _____
Phone #: (804) 224-7181			
Email: ntucker@colonialbeachva.gov			
Project Name: Monroe Bay Water Quality Assessments	Date Required: ___/___/___		
Quote/PO#:			

Sample Location	Matrix*	Comp (C)/Grab (G)	Collected (or Composite Start)		Composite End		Bottle Type (G or P)	Pres.**	Analyses	Receipt Temp.
			Date	Time	Date	Time				
TCBSEP-W1	SW	G	5/15/25	1324			P	< 6°C	Enterococci	
TCBSEP-W2	SW	G	5/15/25	1315			P	< 6°C	Enterococci	
TCBSEP-W3	SW	G	5/15/25	1139			P	< 6°C	Enterococci	
TCBSEP-W4	SW	G	5/15/25	1114			P	< 6°C	Enterococci	
TCBSEP-W5	SW	G	5/15/25	1104			P	< 6°C	Enterococci	
TCBSEP-W6	SW	G	5/15/25	1214			P	< 6°C	Enterococci	
TCBSEP-W7	SW	G	5/15/25	1302			P	< 6°C	Enterococci	

Sampled By (Print):		Sampled By (Signature):		Comments	
Relinquished by (Signature): <i>Jamie Lee</i>	Date/Time: 1355 5/15/25	Received by (Signature): <i>Lindsey M</i>	Date: 5/15	Time: 1359	MAL Sample Check Record for Chain of Custody Date/Time Received & Inspected 5-15-25 14:10 By MG Project #: PR14763 # Containers: 7 Ice: _____ Blue Ice: _____ Sample Temperature: 20.0 (C) Sample Containers Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If NO, list broken samples: _____ Additional Notes: _____ MAL IR Thermometer S/N: US02790A18
Relinquished by (Signature): <i>Outz</i>	Date/Time: 5-15-25 1450	Received by (Signature): <i>Enthalpy</i>	Date:	Time:	
Relinquished by (Signature):	Date/Time:	Received by (Signature):	Date:	Time:	

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Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: May 19, 2025

Project #: PR14642

Sample Location: MONROE BAY WATER QUALITY ANALYSIS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
5/8/25 1329	TCBSEP - W1	Enterococci	150	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1259	TCBSEP - W2	Enterococci	756	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1248	TCBSEP - W3	Enterococci	649	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1222	TCBSEP - W4	Enterococci	2420	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1152	TCBSEP - W5	Enterococci	1410	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1357	TCBSEP - W6	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH
5/8/25 1421	TCBSEP - W7	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/09/2025 1759	AAH

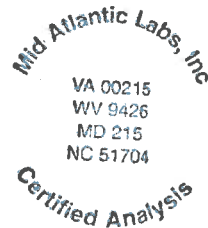
Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

> = greater than

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:

[Handwritten Signature]

KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.

STATE-CERTIFIED ENVIRONMENTAL LABORATORY

224 MAIN ST., SUITE 1, #222

PORT ROYAL, VIRGINIA 22535

(804) 742-5577

www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR14642

Client Town of Colonial Beach Phone # (804)-224-7181

Address 315 Douglas Avenue Colonial Beach VA 22443 Fax # or Email atucker@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested	Analysis Requested													
Monroe Bay Water quality Analysis		N	ASAP														
PO#																	
Sampler (Signature) <i>Jamie Silven</i>		(Print Name) Jamie Silvens		Number of Containers	Matrix	Composite/Crab	Preservative	Enterococci									
Date	Time	Sample Identification															
5/8/25	1329	TCBSEP-W1															
5/8/25	1259	TCBSEP-W2															
5/8/25	1248	TCBSEP-W3															
5/8/25	1222	TCBSEP-W4															
5/8/25	1152	TCBSEP-W5															
5/8/25	1357	TCBSEP-W6															
5/8/25	1421	TCBSEP-W7															
Relinquished by (Signature) <i>Jamie Silven</i>		Date 5/8/25	Time 1514	Received by (Signature) <i>John Eakin</i>		MAL Sample Check Record											
Relinquished by (Signature) <i>John Eakin</i>		Date 5/8/25	Time 1530	Received by (Signature) <i>Enthropy</i>		Date/Time received Inspected <u>5/8/25 1520</u> <u>FE</u>						Project # <u>PR14642</u> # Containers <u>7</u>					
Relinquished by (Signature)		Date	Time	Received by (Signature)		Ice <input checked="" type="checkbox"/> Blue Ice _____ Sample Temperature <u>11.9</u>						Sample Containers Intact <input checked="" type="radio"/> N					
						***If, No List Broken Sample (s) _____						Additional Notes _____					
						MAL IR Thermometer SN: US 02790A18						Preservatives: N = Nitric; H = Hydrochloric; S = Sulfuric; Zn = Zinc-Acet					

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842

PHONE: (540) 477-3300 FAX: (540) 477-3360



Client: Town of Colonial Beach

Address: 315 Douglas Avenue

Town: Colonial Beach State: VA Zip: 22443

Project ID: SEP Phone: 804-224-7181

Contact Person: John Simmons, PM, Cell: (540) 319-8007

Submit Report to: Natasha Tucker, Town Manager

Phone: (540) 940-7828

E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	5/8/25	1329	0.5'	JDS	7.98	8.04	23.0	1252	0702	1.55"	
TCBSEP-W2	5/8/25	1259	0.5'	JDS	8.89	8.05	23.2	1252	0702	1.55"	
TCBSEP-W3	5/8/25	1248	0.5'	JDS	8.46	8.04	22.8	1252	0702	1.55"	
TCBSEP-W4	5/8/25	1222	0.5'	JDS	9.24	8.09	22.5	1252	0702	1.55"	
TCBSEP-W5	5/8/25	1152	0.5'	JDS	9.21	8.14	22.5	1252	0702	1.55"	
TCBSEP-W6	5/8/25	1357	0.5'	JDS	10.51	8.33	24.9	1252	0702	1.55"	
TCBSEP-W7	5/8/25	1421	0.5'	JDS	8.06	8.15	24.6	1252	0702	1.55"	

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Pb. + PFC Fast pH2	BUFFERS USED (circle) ③ ⑦ ⑩	pH 7 CHECK STANDARD RESULT: 7.02	METHOD: SM 18 4500-H ⁺ B-2011	5/8/25	0831	JDS
D.O. METER	EcoseNSE D0100A	TEMPERATURE RESULT: 22.9	COMPENSATED D.O. RESULT: 8.22	METHOD: SM 18 4500-O G	5/8/25	0448	JDS
TEMPERATURE	EcoseNSE D0100A			METHOD: SM 18 2550 B	5/8/25		

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?id=8635150](https://tidesandcurrents.noaa.gov/NOAATIDEPREDICTIONS.HTML?id=8635150)
US HARBORS: [HTTPS://WWW.US HARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

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804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 5, 2025

Project #: PR14763 - REVISED

Sample Location: TOWN OF COLONIAL BEACH - MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
5/15/25 1324	TCBSEP - W1	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1315	TCBSEP - W2	Enterococci	866	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1139	TCBSEP - W3	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1119	TCBSEP - W4	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1109	TCBSEP - W5	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1214	TCBSEP - W6	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH
5/15/25 1302	TCBSEP - W7	Enterococci	>2419.6	MPN/100 mL	1	1	Enterolert	05/16/2025 1725	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

> = Greater Than

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer

MAL

PR14763

Inboden Environmental Services, Inc.



CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Inboden Environmental Services, Inc.

5790 Main Street, Mt. Jackson, VA 22842

tel: (540) 477-3300 fax: (540) 477-3360 toll free: (800) 648-1010

Email: frontdesk@inbodenenv.com

A NELAP Accredited Laboratory: VELAP Laboratory ID# 460024



PLEASE USE PRINT TO FILL OUT THIS FORM. CORRECTION TAPE, PAINT, OR INK IS PROHIBITED. PLEASE USE BLUE OR BLACK INK.

Client Name: Town of Colonial Beach	Compliance Monitoring? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sample Receipt Checklist (LAB USE ONLY): Custody Signatures Present: Y N NA Correct Bottles/Preservation Used: Y N NA COC & Labels on Bottles Agree: Y N NA Samples Received on Ice: Y N NA CI2 Check for Ammonia?: Y N NA Headspace Acceptable: Y N NA	Samples in Hold Time: Y N NA Short Hold Times Present (<48 Hrs): Y N NA Total # of Bottles: _____
Address: 315 Douglas Avenue Colonial Beach, VA 22443	DW PWS ID#: _____ DW Facility ID: _____		
Contact: Natasha Tucker, Town Manager	Turn Around Time (TAT) <input type="checkbox"/> 7 Day <input type="checkbox"/> Rush* (*Expedite Charges Apply)	Field Filtered (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No Analysis: _____	
Phone #: (804) 224-7181			
Email: ntucker@colonialbeachva.gov			
Project Name: Monroe Bay Water Quality Assessments	Date Required: ___/___/___		
Quote/PO#:			

*Matrix Codes (Insert in Matrix Box Below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Soil/Solid (S), Saline Water (SW), Other (O) _____

**Preservation Types: (U) unpreserved, (2) sulfuric acid, (3) nitric acid, (4) sodium hydroxide, (5) hydrochloric acid, (6) sodium sulfite, (7) sodium thiosulfate, (8) ascorbic acid, (9) zinc acetate, (O) Other _____

Sample Location	Matrix*	Comp (C)/Grab (G)	Collected (or Composite Start)		Composite End		Bottle Type (G or P)	Pres.**	Analyses	Receipt Temp.
			Date	Time	Date	Time				
TCBSEP-W1	SW	G	5/15/25	1324			P	< 6°C	Enterococci	
TCBSEP-W2	SW	G	5/15/25	1315			P	< 6°C	Enterococci	
TCBSEP-W3	SW	G	5/15/25	1139			P	< 6°C	Enterococci	
TCBSEP-W4	SW	G	5/15/25	1114			P	< 6°C	Enterococci	
TCBSEP-W5	SW	G	5/15/25	1104			P	< 6°C	Enterococci	
TCBSEP-W6	SW	G	5/15/25	1214			P	< 6°C	Enterococci	
TCBSEP-W7	SW	G	5/15/25	1302			P	< 6°C	Enterococci	

Sampled By (Print):		Sampled By (Signature):		Comments	
Relinquished by (Signature): <i>Jamie Lee</i>	Date/Time: 1355 5/15/25	Received by (Signature): <i>Lindsey M</i>	Date: 5/15	Time: 1359	MAL Sample Check Record for Chain of Custody Date/Time Received & Inspected 5-15-25 14:10 By MG Project #: PR14763 # Containers: 7 Ice: _____ Blue Ice: _____ Sample Temperature: 20.0 (C) Sample Containers Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If NO, list broken samples: _____ Additional Notes: _____ MAL IR Thermometer S/N: US02790A18
Relinquished by (Signature): <i>Outz</i>	Date/Time: 5-15-25 1450	Received by (Signature): <i>Enthalpy</i>	Date:	Time:	
Relinquished by (Signature):	Date/Time:	Received by (Signature):	Date:	Time:	

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Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 2, 2025

Project #: PR14921

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
5/23/25 1420	TCBSEP-W1	Enterococci	770	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1409	TCBSEP-W2	Enterococci	1410	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1350	TCBSEP-W3	Enterococci	>2419.6	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1336	TCBSEP-W4	Enterococci	>2419.6	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1327	TCBSEP-W5	Enterococci	1550	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1303	TCBSEP-W6	Enterococci	472	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH
5/23/25 1248	TCBSEP-W7	Enterococci	110	MPN/100 mL	10	1	Enterolert	05/24/2025 1735	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

> = greater than

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.

STATE-CERTIFIED ENVIRONMENTAL LABORATORY

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PORT ROYAL, VIRGINIA 22535

(804) 742-5577

www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR14921

Client Town of Colonial Beach

Phone # (804) 224-7181

Address 315 Douglas Avenue

Fax # or Email _____

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested	Analysis Requested															
<u>Assessments</u> <u>Monroe Bay Water quality</u>		<input checked="" type="checkbox"/>																	
PO#		<input checked="" type="checkbox"/>																	
Sampler (Signature)		(Print Name)		Number of Containers	Matrix	Composite/Grab	Preservative	Enterococci											
Date	Time	Sample Identification		Number of Containers	Matrix	Composite/Grab	Preservative												
<u>5/23/25</u>	<u>1420</u>	<u>TCBSEP-W1</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1409</u>	<u>TCBSEP-W2</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1350</u>	<u>TCBSEP-W3</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1336</u>	<u>TCBSEP-W4</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1327</u>	<u>TCBSEP-W5</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1303</u>	<u>TCBSEP-W6</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
<u>5/23/25</u>	<u>1248</u>	<u>TCBSEP-W7</u>		<u>1</u>	<u>SW</u>	<u>G</u>		<input checked="" type="checkbox"/>											
Relinquished by (Signature)		Date	Time	Received by (Signature)															
<u>[Signature]</u>		<u>5/23/25</u>	<u>1433</u>	<u>[Signature]</u>															
Relinquished by (Signature)		Date	Time	Received by (Signature)															
<u>[Signature]</u>		<u>5-23-25</u>	<u>1515</u>	<u>[Signature]</u>															
Relinquished by (Signature)		Date	Time	Received by (Signature)															
_____		_____	_____	_____															

MAL Sample Check Record

Date/Time received Inspected 5-23-25 1420 MG
 Project # PR14921 # Containers 7
 Ice Blue Ice _____ Sample Temperature 14.8
 Sample Containers Intact N
 Additional Notes _____
 MAL IR Thermometer SN: US 02790A18
 Preservatives: N = Nitric; H = Hydrochloric; S = Sulfuric; Zn - Zigg-Acet

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

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804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 4, 2025

Project #: PR14977

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
5/29/25 1145	TCDSEP W1	Enterococci	1300	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1125	TCDSEP W2	Enterococci	2100	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1259	TCDSEP W3	Enterococci	20	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1319	TCDSEP W4	Enterococci	20	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1331	TCDSEP W5	Enterococci	20	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1238	TCDSEP W6	Enterococci	98	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH
5/29/25 1219	TCDSEP W7	Enterococci	1130	MPN/100 mL	10	10	Enterolert	05/30/2025 1701	SPH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.

STATE-CERTIFIED ENVIRONMENTAL LABORATORY

224 MAIN ST., SUITE 1, #222

PORT ROYAL, VIRGINIA 22535

(804) 742-5577

www.midatlanticlaboratories.com

Extended Range

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR14977

Client Town of Colonial Beach

Phone # (804)-224-7181

Address 315 Douglas Avenue
Colonial Beach VA, 22443

Fax # or Email atucker@colonialbeachVA.gov

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested	Number of Containers	Matrix	Composited/Grab	Preservative	Analysis Requested													
<u>Monroe Bay Water quality Assessments</u>																					
PO#	Sampler (Signature)		(Print Name)																		
Date	Time	Sample Identification																			
5/29/25	1145	TCBSEP W1		1	SW	G		✓													
5/29/25	1125	TCBSEP W2		1	SW	G		✓													
5/29/25	1331	TCBSEP W3 ⁵ J05		1	SW	G		✓													
5/29/25	1319	TCBSEP W4		1	SW	G		✓													
5/29/25	1259	TCBSEP W5 ³ J0		1	SW	G		✓													
5/29/25	1238	TCBSEP W6		1	SW	G		✓													
5/29/25	1219	TCBSEP W7		1	SW	G		✓													
Relinquished by (Signature)		Date	Time	Received by (Signature)																	
<u>James Lee</u>		5/29/25	1407	<u>Carina Emery</u>																	
Relinquished by (Signature)		Date	Time	Received by (Signature)																	
<u>Carina Emery</u>		5/29/25	1445	<u>Embroidery</u>																	
Relinquished by (Signature)		Date	Time	Received by (Signature)																	

MAL Sample Check Record
 Date/Time received Inspected 5/29/25 1415 CE
 Project # PR14977 # Containers 7
 Ice Blue Ice _____ Sample Temperature 13.1
 Sample Containers Intact N
 ***If, No List Broken Sample (s) _____
 Additional Notes _____
 MAL IR Thermometer SN: US 02790A18
 Preservatives: N = Nitric; H = Hydrochloric S = Sulfuric Zn = Zinc-Acet

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 16, 2025

Project #: PR15113

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
6/6/25 1321	TCBSEP-W1	Enterococci	100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1308	TCBSEP-W2	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1255	TCBSEP-W3	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1238	TCBSEP-W4	Enterococci	100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1225	TCBSEP-W5	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1154	TCBSEP-W6	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH
6/6/25 1136	TCBSEP-W7	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/07/2025 1645	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:

[Handwritten Signature]

KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.

STATE-CERTIFIED ENVIRONMENTAL LABORATORY

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PORT ROYAL, VIRGINIA 22535

(804) 742-5577

www.midatlanticlaboratories.com

Extended Range

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR15113

Client Town of Colonial Beach Phone # (904) 224-7181

Address 315 Douglas Avenue Colonial Beach VA 22443 Fax # or Email ntucker@colonialbeachva.gov

PWSID # (Drinking Water Only)

Main form containing project name (Monroe Bay Water quality Assessments), sampler info (Jamie Silvens), sample data table with columns for Date, Time, Sample Identification, Number of Containers, Matrix, Composite/Grab, Preservative, and Analysis Requested (Enterococci). Includes a MAL Sample Check Record section at the bottom right.

MAL Sample Check Record section with fields for Date/Time received Inspected (6/6/25 1345), Project # (PR15113), # Containers (7), Ice (checked), Blue Ice, Sample Temperature (12.4), and Sample Containers Intact (checked).

Preservatives: N = Nitric; H = Hydrochloric S = Sulfuric Zn - Zinc-Acet

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach

Contact Person: John Simmons, PM, Cell: (540) 319-8007

Address: 315 Douglas Avenue

Submit Report to: Natasha Tucker, Town Manager

Town: Colonial Beach

State: VA

Zip: 22443

Phone: (540) 940-7828

Project ID: SEP

Phone: 804-224-7181

Fax:

E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	6/6/25	1321	0.5'	JDJ	8.98	8.44	25.1	12:09	18:20		
TCBSEP-W2	6/6/25	1303	0.5'	JDJ	8.02	8.11	24.5	12:09	18:20		
TCBSEP-W3	6/6/25	1255	0.5'	JDJ	9.97	8.43	24.3	12:09	18:20		
TCBSEP-W4	6/6/25	1234	0.5'	JDJ	9.24	8.53	25.1	12:09	18:20		
TCBSEP-W5	6/6/25	1225	0.5'	JDJ	10.17	8.57	23.4	12:09	18:20		
TCBSEP-W6	6/6/25	1155	0.5'	JDJ	8.92	8.46	24.9	12:09	18:20		
TCBSEP-W7	6/6/25	8:52 1138	0.5'	JDJ	7.67	8.21	26.5	12:09	18:20		

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast PH2 Plant Pro	BUFFERS USED (circle) ⑨ ⑨ ⑩	pH 7 CHECK STANDARD RESULT: 7.02 25.1	METHOD: SM 18 4500-H+ B-2011	6/6/25	1032	JDJ
D.O. METER	ECOSense 02200A	TEMPERATURE RESULT: 25.3	COMPENSATED D.O. RESULT: 8.26	METHOD: SM 18 4500-O G	6/6/25	1048	JDJ
TEMPERATURE	ECOSense 02200A			METHOD: SM 18 2550 B	6/6/25	1048	JDJ

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=8635150)
US HARBORS: [HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: June 24, 2025

Project #: PR15252

Sample Location: MONROE BAY MONITORING

PAGE 1 OF 2

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
6/13/25 1202	TCBSEP W1	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH
6/13/25 1223	TCBSEP W2	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH
6/13/25 1330	TCBSEP W3	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH
6/13/25 1305	TCBSEP W4	Enterococci	100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH
6/13/25 1238	TCBSEP W5	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
6/13/25 1352	TCBSEP W6	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH
6/13/25 1415	TCBSEP W7	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/14/2025 1820	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters

Reviewed by:



KS Storke, Quality Control Officer



CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC.



5790 MAIN STREET
MT. JACKSON, VA 22842

PHONE: (540) 477-3300

FAX: (540) 477-3360

Client: Town of Colonial Beach

Contact Person: John Simmons, PM, Cell: (540) 319-8007

Address: 315 Douglas Avenue

Submit Report to: Natasha Tucker, Town Manager

Town: Colonial Beach

State: VA

Zip: 22443

Phone: (540) 940-7828

Project ID: SEP

Phone: 804-224-7181

Fax:

E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	6/13/25	1202	0.5'	JOS	8.11	8.22	26.2	17:03	11:19	5/8"	
TCBSEP-W2	6/13/25	1223	0.5'	JOS	7.23	8.01	25.9	17:03	11:19	5/8"	
TCBSEP-W3	6/13/25	1330	0.5'	JOS	7.51	8.23	25.9	17:03	11:19	5/8"	
TCBSEP-W4	6/13/25	1305	0.5'	JOS	9.10	8.51	28.3	17:03	11:19	5/8"	
TCBSEP-W5	6/13/25	1238	0.5'	JOS	9.91	8.36	27.7	17:03	11:19	5/8"	
TCBSEP-W6	6/13/25	1352	0.5'	JOS	9.11	8.62	25.1	17:03	11:19	5/8"	
TCBSEP-W7	6/13/25	1238 JOS	0.5'	JOS	9.12	8.39	25.2	17:03	11:19	5/8"	

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Plant Pro Fast pH2	BUFFERS USED (circle) ⑨ ⑦ ⑩	pH 7 CHECK STANDARD RESULT: 7.04	METHOD: SM 18 4500-H* B-2011	6/13/25	0950	JOS
D.O. METER	DO200A	TEMPERATURE RESULT: 21.5	COMPENSATED D.O. RESULT: 8.88	METHOD: SM 18 4500-O G	6/13/25	1001	JOS
TEMPERATURE	DO200A			METHOD: SM 18 2550 B			

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=8635150)
US HARBORS: [HTTPS://WWW.US HARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: **INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842**

Report Date: July 1, 2025

Project #: PR15361

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
6/20/25 1242	TCBSEP-W1	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1228	TCBSEP-W2	Enterococci	100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1302	TCBSEP-W3	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1315	TCBSEP-W4	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1330	TCBSEP-W5	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1402	TCBSEP-W6	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL
6/20/25 1353	TCBSEP-W7	Enterococci	<100	MPN/100 mL	100	100	Enterolert	06/21/2025 1800	MJRL

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.
STATE-CERTIFIED ENVIRONMENTAL LABORATORY
 224 MAIN ST., SUITE 1, #222
 PORT ROYAL, VIRGINIA 22535
 (804) 742-5577
 www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR15361

Client Town of Colonial Beach

Phone # (540) 940-7828

Address 315 Douglas Avenue

Fax # or Email Ntuckere@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested		Analysis Requested											
Monroe Bay Water quality Assessments																
PO#																
Sampler (Signature)		(Print Name)														
Jamie Silvers		Jamie Silvers														
Date	Time	Sample Identification	Number of Containers	Matrix	Composite/Grab	Preservative	Enterococci									
6/20/25	1242	TCBSEP-W1	1	SWG			-									
6/20/25	1228	TCBSEP-W2	1	SWG			✓									
6/20/25	1302	TCBSEP-W3	1	SWG			✓									
6/20/25	1315	TCBSEP-W4	1	SWG			✓									
6/20/25	1330	TCBSEP-W5	1	SWG			✓									
6/20/25	1402	TCBSEP-W6	1	SWG			✓									
6/20/25	1353	TCBSEP-W7	1	SWG			✓									
Relinquished by (Signature)		Date	Time	Received by (Signature)		Date/Time received Inspected						MAL Sample Check Record				
Jamie Silvers		6/20/25	1433	Kathleen Lewis		6/20/25 1445 FE						Project # <u>PR15361</u> # Containers <u>7</u>				
K. Lewis		6/20/25	1500	Enthalpy		Ice <input checked="" type="checkbox"/> Blue Ice _____ Sample Temperature <u>10.3</u>						Sample Containers Intact <input checked="" type="checkbox"/> N				
Relinquished by (Signature)		Date	Time	Received by (Signature)		Additional Notes						MAL IR Thermometer SN: US 02790A18				
												Preservatives: N = Nitric; H = Hydrochloric; S = Sulfuric; Zn = Zinc-Acet				

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC.



5790 MAIN STREET
MT. JACKSON, VA 22842

PHONE: (540) 477-3300

FAX: (540) 477-3360

Client: Town of Colonial Beach

Contact Person: John Simmons, PM, Cell: (540) 319-8007

Address: 315 Douglas Avenue

Submit Report to: Natasha Tucker, Town Manager

Town: Colonial Beach State: VA

Zip: 22443

Phone: (540) 940-7828

Project ID: SEP Phone: 804-224-7181

Fax:

E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	6/20/25	1242	0.5'	JDS	6.83	7.68	27.8	10:18	16:41	0"	
TCBSEP-W2	6/20/25	1228	0.5'	JDS	6.61	7.71	28.3	10:18	16:41	0"	
TCBSEP-W3	6/20/25	1302	0.5'	JDS	6.92	7.73	28.0	10:18	16:41	0"	
TCBSEP-W4	6/20/25	1315	0.5'	JDS	8.98	7.52	28.0	10:18	16:41	0"	
TCBSEP-W5	6/20/25	1330	0.5'	JDS	10.55	8.53	28.1	10:18	16:41	0"	
TCBSEP-W6	6/20/25	1402	0.5'	JDS	10.54	8.56	28.9	10:18	16:41	0"	
TCBSEP-W7	6/20/25	1353	0.5'	JDS	8.63	8.89	28.6	10:18	16:41	0"	

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast pH2 @/ant pro	BUFFERS USED (circle) (4) (7) (10)	pH 7 CHECK STANDARD RESULT: 7.01	METHOD: SM 18 4500-H* B-2011	6/20/25	1219	JDS
D.O. METER	Ecosense D0200A	TEMPERATURE RESULT: 28.3	COMPENSATED D.O. RESULT: 7.66	METHOD: SM 18 4500-O G	6/20/25	1223	JDS
TEMPERATURE	Ecosense D0200A			METHOD: SM 18 2550 B	6/20/25		

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=8635150)
US HARBORS: [HTTPS://WWW.US HARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: July 14, 2025

Project #: PR15562

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
7/3/25 1104	TCBSEP-W1	Enterococci	<10	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1047	TCBSEP-W2	Enterococci	31	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1120	TCBSEP-W3	Enterococci	52	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1247	TCBSEP-W4	Enterococci	10	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1303	TCBSEP-W5	Enterococci	20	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1325	TCBSEP-W6	Enterococci	30	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR
7/3/25 1349	TCBSEP-W7	Enterococci	135	MPN/100 mL	10	10	Enterolert	07/04/2025 1710	BKR

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:

A handwritten signature in black ink, appearing to read "KS Storke".

KS Storke, Quality Control Officer

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS



Inboden Environmental Services, Inc.
 5790 Main Street, Mt. Jackson, VA 22842
 tel: (540) 477-3300 fax: (540) 477-3360 toll free: (800) 648-1010
 Email: frontdesk@Inbodenenv.com
 A NELAP Accredited Laboratory: VELAP Laboratory ID# 460024



PLEASE USE PRINT TO FILL OUT THIS FORM. CORRECTION TAPE, PAINT, OR INK IS PROHIBITED. PLEASE USE BLUE OR BLACK INK.

Client Name: Town of Colonial Beach	Compliance Monitoring? [X] Yes [] No	Sample Receipt Checklist (LAB USE ONLY): Custody Signatures Present: Y N NA Correct Bottles/Preservation Used: Y N NA COC & Labels on Bottles Agree: Y N NA Samples Received on Ice: Y N NA Cl2 Check for Ammonia?: Y N NA Headspace Acceptable: Y N NA	Samples in Hold Time: Y N NA Short Hold Times Present (<48 Hrs): Y N NA
Address: 315 Douglas Avenue Colonial Beach, VA 22443	DW PWS ID#: _____ DW Facility ID: _____		Total # of Bottles: _____
Contact: Natasha Tucker, Town Manager	Turn Around Time (TAT) [] 7 Day [] Rush* (*Expedite Charges Apply) Date Required: ___/___/___	Field Filtered (if applicable): [] Yes [] No Analysis: _____	
Phone #: (804) 224-7181		**Preservation Types: (U) unpreserved, (2) sulfuric acid, (3) nitric acid, (4) sodium hydroxide, (5) hydrochloric acid, (6) sodium sulfite, (7) sodium thiosulfate, (8) ascorbic acid, (9) zinc acetate, (O) Other _____	
Email: ntucker@colonialbeachva.gov			
Project Name: Monroe Bay Water Quality Assessments			
Quote/PO#:			

Sample Location	Matrix*	Comp (C)/Grab (G)	Collected (or Composite Start)		Composite End		Bottle Type (G or P)	Pres.**	Analyses	Receipt Temp.
			Date	Time	Date	Time				
TCBSEP-W1	SW	G	7/3/25	1104			P	< 6°C	Enterococci	
TCBSEP-W2	SW	G	7/3/25	1047			P	< 6°C	Enterococci	
TCBSEP-W3	SW	G	7/3/25	1120			P	< 6°C	Enterococci	
TCBSEP-W4	SW	G	7/3/25	1247			P	< 6°C	Enterococci	
TCBSEP-W5	SW	G	7/3/25	1321303			P	< 6°C	Enterococci	
TCBSEP-W6	SW	G	7/3/25	1325			P	< 6°C	Enterococci	
TCBSEP-W7	SW	G	7/3/25	1350/1349			P	< 6°C	Enterococci	

MAL Sample Check Record for Chain of Custody
 Date/Time Received & Inspected: 7/3/25 1425 By: CE
 Project #: PR15562 # Containers: 7
 Ice: Blue Ice Sample Temperature: 9.8 C
 Sample Containers Intact: N
 If NO, list broken samples: # Containers:
 Additional Notes: MAL IR Thermometer S/N: US02790A18

Sampled By (Print):		Sampled By (Signature):			
Relinquished by (Signature): <i>Jamie Iche</i>	Date/Time: 7/3/25 1414	Received by (Signature): <i>Carissa Emory</i>	Date: 7/3/25	Time: 1418	
Relinquished by (Signature): <i>Carissa Emory</i>	Date/Time: 7/3/25 1500	Received by (Signature): <i>Enthalpy</i>	Date:	Time:	
Relinquished by (Signature):	Date/Time:	Received by (Signature):	Date:	Time:	

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC.

5790 MAIN STREET
MT. JACKSON, VA 22842

PHONE: (540) 477-3300 FAX: (540) 477-3360



Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address: 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	7/3/25	1107	0.5'	JDS	8.76	8.23	29.0	7:08	13:39	4.5'	
TCBSEP-W2	7/3/25	1050	0.5'	JDS	9.68	8.49	28.8	7:09	13:39	4.5'	
TCBSEP-W3	7/3/25	1125	0.5'	JDS	8.68	8.37	29.1	7:08	13:39	4.5'	
TCBSEP-W4	7/3/25	1255	0.5'	JDS	6.76	7.88	29.8	7:08	13:39	4.5'	
TCBSEP-W5	7/3/25	1305	0.5'	JDS	9.84	8.61	28.3	7:08	13:39	4.5'	
TCBSEP-W6	7/3/25	1328	0.5'	JDS	6.84	8.65	30.0	7:08	13:39	4.5'	
TCBSEP-W7	7/3/25	1355	0.5'	JDS	9.66	8.72	31.4	7:08	13:39	4.5'	

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast pH2 plant pro	BUFFERS USED (circle) ④ ⑦ ⑩	pH 7 CHECK STANDARD RESULT: 7.06	METHOD: SM 18 4500-H+ B-2011	7/3/25	1009	JDS
D.O. METER	Ecosense D0200A	TEMPERATURE RESULT: 23.3	COMPENSATED D.O. RESULT: 8.55	METHOD: SM 18 4500-O G	7/3/25	1001	JDS
TEMPERATURE	Ecosense D0200A			METHOD: SM 18 2550 B			JDS

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/NOAAATIDEPREDICTIONS.HTML?ID=8635150)
US HARBORS: [HTTPS://WWW.US HARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:
W1-4.75
W2-4.40
W3-7.50
W4-5.35
W5-5.08
W6-4.48
W7-4.54
Salinity

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: July 21, 2025

Project #: PR15663

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
7/10/25 1355	TCBSEP W1	Enterococci	<10	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH
7/10/25 1345	TCBSEP W2	Enterococci	10	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH
7/10/25 1335	TCBSEP W3	Enterococci	20	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH
7/10/25 1316	TCBSEP W4	Enterococci	20	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH
7/10/25 1308	TCBSEP W5	Enterococci	10	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH
7/10/25 1230	TCBSEP W7	Enterococci	84	MPN/100 mL	10	10	Enterolert	07/11/2025 1825	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.

STATE-CERTIFIED ENVIRONMENTAL LABORATORY

224 MAIN ST., SUITE 1, #222

PORT ROYAL, VIRGINIA 22535

(804) 742-5577

www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eff. Date: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR15663

Client Town of Colonial Beach

Phone # 804-224-7181

Address 315 Douglas Avenue Colonial Beach VA 22443

Fax # or Email Atucker@ColonialBeachVA.gov

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested	Analysis Requested									
<u>Monroe Bay Water quality Assessments</u>													
PO#													
Sampler (Signature)		(Print Name)		Number of Containers	MATRIX	Composite/Grab	Preservative						
<u>Jamie Silven</u>		<u>Jamie Silvens</u>											
Date	Time	Sample Identification											
<u>7/10/25</u>	<u>1355</u>	<u>TCBSEP W1</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
<u>7/10/25</u>	<u>1345</u>	<u>TCBSEP W2</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
<u>7/10/25</u>	<u>1335</u>	<u>TCBSEP W3</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
<u>7/10/25</u>	<u>1316</u>	<u>TCBSEP W4</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
<u>7/10/25</u>	<u>1308</u>	<u>TCBSEP W5</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
<u>7/10/25</u>	<u>1245</u>	<u>TCBSEP W6</u>		<u>1</u>	<u>SW</u>	<u>G</u>	<u>Had Chlorine - could not test</u>						
<u>7/10/25</u>	<u>1230</u>	<u>TCBSEP W7</u>		<u>1</u>	<u>SW</u>	<u>G</u>							
Relinquished by (Signature)		Date	Time	Received by (Signature)									
<u>Jamie Silven</u>		<u>7/10/25</u>	<u>1429</u>	<u>Keith Weathers</u>									
Relinquished by (Signature)		Date	Time	Received by (Signature)									
<u>Keith Weathers</u>		<u>7/10/25</u>	<u>1500</u>	<u>Enthropy</u>									
Relinquished by (Signature)		Date	Time	Received by (Signature)									

FE
7/11/25

MAL Sample Check Record 7/10/25 1445 FE

Date/Time received Inspected _____
Project # PR15663 # Containers 7

Ice Blue Ice _____ Sample Temperature 15.2

Sample Containers Intact Y N

***If, No List Broken Sample (s) _____

Additional Notes _____
MAL IR Thermometer SN: - US 02790A18
Preservatives: N = Nitric; H = Hydrochloric S = Sulfuric Zn - Zinc-Acet

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. inboden environmental services, inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address: 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION

Field Parameters

Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	7/10/25	1355	0.5'	JDS	7.53	8.30	29.3	1339	0708	2.0"	
TCBSEP-W2	7/10/25	1349	0.5'	JDS	7.29	8.45	29.2	1339	0708	2.00"	
TCBSEP-W3	7/10/25	1340	0.5'	JDS	6.94	8.36	28.6	1339	0708	2.00"	
TCBSEP-W4	7/10/25	1320	0.5'	JDS	6.95	8.40	29.1	1339	0708	2.00"	
TCBSEP-W5	7/10/25	1312	0.5'	JDS	6.46	8.38	29.0	1339	0708	2.00"	
TCBSEP-W6	7/10/25	1250	0.5'	JDS	6.30	8.37	29.5	1339	0708	2.00"	
TCBSEP-W7	7/10/25	1235	0.5'	JDS	4.15	7.55	30.6	1339	0708	2.00"	

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast pH 2 Plant Pro	BUFFERS USED (circle) ④ ⑦ ⑩	pH 7 CHECK STANDARD RESULT: 7.00	METHOD: SM 18 4500-H ⁺ B-2011	7/10/25	1155	JDS
D.O. METER	Ecosense DO200A	TEMPERATURE RESULT: 28.4	COMPENSATED D.O. RESULT: 7.82	METHOD: SM 18 4500-O G	7/10/25	1153	JDS
TEMPERATURE	Ecosense DO200A			METHOD: SM 18 2550 B	7/10/25		

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM
TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=8635150)
US HARBORS: [HTTPS://WWW.US HARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.us harbors.com/harbor/virginia/colonial-beach-va/)
THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES: salinity
W1 - 5.57
W2 - 5.33
W3 - 5.50
W4 - 5.90
W5 - 5.67
W6 - 4.88
W7 - 4.67

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION					Field Parameters						
Sample Location	Sample Date	Sample Time	Sample Depth	Sampler Initials	DO [mg/L]	pH [std. units]	Temp [°C]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Notes
TCBSEP-W1	7/11/25	1320	0.5'	JDS	7.64	8.13	29.8	0708	1339	to 3:00 6.75"	
TCBSEP-W2											
TCBSEP-W3											
TCBSEP-W4											
TCBSEP-W5											
TCBSEP-W6											
TCBSEP-W7											

FIELD EQUIPMENT CALIBRATION LOG

EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast PH2 Plant Pro	BUFFERS USED (circle) ④ ⑦ ⑩	pH 7 CHECK STANDARD RESULT: 7.01	METHOD: SM 18 4500-H+ B-2011	7/11/25	1229	JDS
D.O. METER	Ecosense DO200A	TEMPERATURE RESULT: 29.8	COMPENSATED D.O. RESULT: 7.62	METHOD: SM 18 4500-O G	7/11/25	1245	JDS
TEMPERATURE	Ecosense DO200A			METHOD: SM 18 2550 B	7/11/25	1245	JDS

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
 NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
 WEATHER UNDERGROUND: [WWW.WUNDERGROUND.COM](http://www.wunderground.com)
 TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
 NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150](https://tidesandcurrents.noaa.gov/noaatidepredictions.html?id=8635150)
 US HARBORS: [HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.usharbors.com/harbor/virginia/colonial-beach-va/)
 THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES: salinity
46:5.13

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Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: July 21, 2025

Project #: PR15698

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
7/11/25 1313	TCBSEP W6	Enterococci	31	MPN/100 mL	10	10	Enterolert	07/12/2025 1700	AAH

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.
STATE-CERTIFIED ENVIRONMENTAL LABORATORY
 224 MAIN ST., SUITE 1, #222
 PORT ROYAL, VIRGINIA 22535
 (804) 742-5577

MAL DOC 88 Chain of Custody

Eft. Date: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR15698

Client Town of Colonial Beach

Phone # 804-224-7181

Address 315 Douglas Avenue Colonial Beach VA 22443

Fax # or Email ntucker@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Project Name			Rush Analysis	Date Results Requested	Analysis Requested																	
<u>monroe Bay water quality Assessments</u>																						
PO#																						
Sampler (Signature)		(Print Name)			Number of Containers	Matrix	Composite/Grab	Preservative	<u>Enterococci</u>													
<u>Jamie Siler</u>		<u>Jamie Siler</u>																				
Date	Time	Sample Identification																				
<u>7/11/25</u>	<u>1313</u>	<u>TCBSEP W6</u>		<u>1</u>	<u>SW6</u>				<u>✓</u>													
Relinquished by (Signature)	Date	Time	Received by (Signature)	MAL Sample Check Record																		
<u>Jamie Siler</u>	<u>7/11/25</u>	<u>1340</u>	<u>Jamie Siler</u>	Date/Time received Inspected	<u>7/11/25</u>	<u>1342</u>	<u>FE</u>															
Relinquished by (Signature)	Date	Time	Received by (Signature)	Project #	<u>PR15698</u>	# Containers																
<u>Jamie Siler</u>	<u>7/11/25</u>	<u>1345</u>	<u>Jamie Siler</u>	Ice	<u>✓</u>	Blue Ice		Sample Temperature	<u>16.3</u>													
Relinquished by (Signature)	Date	Time	Received by (Signature)	Sample Containers Intact	<u>Y</u>	N																
				Additional Notes																		
				MAL IR Thermometer SN: US 02790A18																		
				Preservatives: N = Nitric; H = Hydrochloric; S = Sulfuric; Zn = Zinc-Acet																		

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION				Field Parameters								
Sample Location	Sample Date	Sample Time	Sample Depth	pH [std. units]	Temp [°C]	DO [mg/L]	Salinity [ppt]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Sampler Initials	Notes
TCBSEP-W1	8/7/2025	12:41	0.5'	7.43	26.9	6.52	5.92	08:25	14:07	0"	JDS	
TCBSEP-W2	8/7/2025	12:50	0.5'	7.66	26.8	7.12	5.83	08:25	14:07	0"	JDS	
TCBSEP-W3	8/7/2025	13:05	0.5'	8.42	27.4	10.34	6.25	08:25	14:07	0"	JDS	
TCBSEP-W4	8/7/2025	13:19	0.5'	8.04	27.0	8.17	6.27	08:25	14:07	0"	JDS	
TCBSEP-W5	8/7/2025	13:26	0.5'	7.96	26.6	7.94	6.30	08:25	14:07	0"	JDS	
TCBSEP-W6	8/7/2025	13:58	0.5'	8.36	27.1	9.55	6.39	08:25	14:07	0"	JDS	
TCBSEP-W7	8/7/2025	13:45	0.5;	7.89	27.5	7.18	6.12	08:25	14:07	0"	JDS	

FIELD EQUIPMENT CALIBRATION LOG							
EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast pH2 Plant Pro	BUFFERS USED (circle) 4 7 10	pH 7 CHECK STANDARD RESULT: 7.04	METHOD: SM 18 4500-H ⁺ B-2011	8/7/25	12:05	JDS
D.O. METER	EcoSense DO200A	TEMPERATURE RESULT: 23.9	COMPENSATED D.O. RESULT: 8.46	METHOD: SM 18 4500-O G	8/7/25	12:05	JDS
TEMPERATURE	EcoSense 200A			METHOD: SM 18 2550 B	8/7/25	12:10	JDS
SALINITY	Exttech Exstik II	STANDARDS USED (circle) 84 1415 12,880		METHOD: EPA 9050A	8/7/25	12:10	JDS

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.

NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)

WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM

TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:

NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?id=8635150](https://tidesandcurrents.noaa.gov/NOAATIDEPREDICTIONS.HTML?id=8635150)

US HARBORS: [HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.usharbors.com/harbor/virginia/colonial-beach/va/)

THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: August 18, 2025

Project #: PR16051

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
8/7/25 1235	TCBSEP W1	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1245	TCBSEP W2	Enterococci	31	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1300	TCBSEP W3	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1315	TCBSEP W4	Enterococci	148	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1325	TCBSEP W5	Enterococci	85	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1354	TCBSEP W6	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR
8/7/25 1342	TCBSEP W7	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/08/2025 1646	BKR

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION				Field Parameters								
Sample Location	Sample Date	Sample Time	Sample Depth	pH [std. units]	Temp [°C]	DO [mg/L]	Salinity [ppt]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Sampler Initials	Notes
TCBSEP-W1	8/14/2025	11:50	0.5'	7.52	29.7	5.43	11.55	19:22	13:12	1.75	JDS	
TCBSEP-W2	8/14/2025	11:59	0.5'	7.50	28.4	5.00	10.16	19:22	13:12	1.75	JDS	
TCBSEP-W3	8/14/2025	12:35	0.5'	7.95	28.7	7.20	11.26	19:22	13:12	1.75	JDS	
TCBSEP-W4	8/14/2025	12:50	0.5'	7.84	29.8	5.60	12.26	19:22	13:12	1.75	JDS	
TCBSEP-W5	8/14/2025	12:58	0.5'	8.10	28.9	6.10	11.51	19:22	13:12	1.75	JDS	
TCBSEP-W6	8/14/2025	13:19	0.5'	8.38	31.0	7.92	11.25	19:22	13:12	1.75	JDS	
TCBSEP-W7	8/14/2025	13:55	0.5'	8.48	30.9	10.55	10.66	19:22	13:12	1.75	JDS	

FIELD EQUIPMENT CALIBRATION LOG							
EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	fast pH2 plant pro	BUFFERS USED (circle) 4 7 10	pH 7 CHECK STANDARD RESULT: 7.00	METHOD: SM 18 4500-H ⁺ B-2011	8/14/2025	10:55	JDS
D.O. METER	EcoSense DO200A	TEMPERATURE RESULT: 23.7	COMPENSATED D.O. RESULT: 8.53js	METHOD: SM 18 4500-O G	8/14/2025	11:00	JDS
TEMPERATURE	EcoSense DO200A			METHOD: SM 18 2550 B	8/14/2025	11:00	JDS
SALINITY	Exttech ExStik II	STANDARDS USED (circle) 84 1413 12,880		METHOD: EPA 9050A	8/14/2025	10:50	JDS

<p>NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.</p> <p>NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: HTTPS://WWW.WPC.NCEP.NOAA.GOV/</p> <p>WEATHER UNDERGROUND: WWW.WUNDERGROUND.COM</p> <p>TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:</p> <p>NOAA: HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?ID=8635150</p> <p>US HARBORS: HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/</p> <p>THE INTERACTIVE VIRGINIA TIDES MAP: HTTPS://TIDES.NET/VIRGINIA/573/</p>	<p>NOTES:</p>
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Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: August 25, 2025

Project #: PR16162

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
8/14/25 1145	TCBSEP W1	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1155	TCBSEP W2	Enterococci	31	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1228	TCBSEP W3	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1245	TCBSEP W4	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1255	TCBSEP W5	Enterococci	51	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1315	TCBSEP W6	Enterococci	20	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV
8/14/25 1332	TCBSEP W7	Enterococci	52	MPN/100 mL	10	10	Enterolert	08/16/2025 1210	KSIV

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.
STATE-CERTIFIED ENVIRONMENTAL LABORATORY
 224 MAIN ST., SUITE 1, #222
 PORT ROYAL, VIRGINIA 22535
 (804) 742-5577
 www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR16162

Client Town Of Colonial Beach

Phone # 804-224-7181

Address 315 Douglas Avenue Colonial Beach, VA 22443

Fax # or Email ntucker@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Project Name		Rush Analysis	Date Results Requested	Analysis Requested																	
Monroe Bay Water Quality Assessments				ENTEROCOCCI																	
PO#																					
Sampler (Signature) <i>Jamie Silveus</i>		(Print Name) Jamie Silveus		Number of Containers	Matrix	Compositer/Grab	Preservative														
Date	Time	Sample Identification																			
8/14/2025	11:45	TCBSEP W1		1	SW	G	X														
8/14/2025	11:55	TCBSEP W2		1	SW	G	X														
8/14/2025	12:28	TCBSEP W3		1	SW	G	X														
8/14/2025	12:45	TCBSEP W4		1	SW	G	X														
8/14/2025	12:55	TCBSEP W5		1	SW	G	X														
8/14/2025	13:15	TCBSEP W6		1	SW	G	X														
8/14/2025	13:32	TCBSEP W7		1	WW	G	X														
Relinquished by (Signature) <i>Jamie Silveus</i>		Date 8/14/25	Time 1452	Received by (Signature) <i>Amanda Denton</i>		MAL Sample Check Record						Date/Time recieved Inspected 8/14/25 1455				AEG					
Relinquished by (Signature) <i>Amanda Denton</i>		Date 8/14/25	Time 1500	Received by (Signature) <i>Enthalpy</i>		Project # PR16162						# Containers 7				Ice <input checked="" type="checkbox"/> Blue Ice _____ Sample Temperature 13.5					
Relinquished by (Signature)		Date	Time	Received by (Signature)		Sample Containers Intact <input checked="" type="radio"/> Y N						***If, No List Broken Sample (s)				Additional Notes					
MAL IR Thermometer SN: US 02790A18												Preservatives: N = Nitric; H = Hydrochloric S = Sulfuric Zn - Zinc-Acet									

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION				Field Parameters								
Sample Location	Sample Date	Sample Time	Sample Depth	pH [std. units]	Temp [°C]	DO [mg/L]	Salinity [ppt]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Sampler Initials	Notes
TCBSEP-W1	8/19/2025	14:25	0.5'	7.52	29.7	5.43	11.55	19:22	13:12	1.75	JDS	
TCBSEP-W2	8/19/2025	14:17	0.5'	7.50	28.4	5.00	10.16	19:22	13:12	1.75	JDS	
TCBSEP-W3	8/19/2025	13:37	0.5'	7.95	28.7	7.20	11.26	19:22	13:12	1.75	JDS	
TCBSEP-W4	8/19/2025	13:52	0.5'	7.84	29.8	5.60	12.26	19:22	13:12	1.75	JDS	
TCBSEP-W5	8/19/2025	14:00	0.5'	8.10	28.9	6.10	11.51	19:22	13:12	1.75	JDS	
TCBSEP-W6	8/19/2025	13:19	0.5'	8.38	31.0	7.92	11.25	19:22	13:12	1.75	JDS	
TCBSEP-W7	8/19/2025	13:03	0.5'	8.48	30.9	10.55	10.66	19:22	13:12	1.75	JDS	

FIELD EQUIPMENT CALIBRATION LOG							
EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	fast pH2 plant pro	BUFFERS USED (circle) 4 7 10	pH 7 CHECK STANDARD RESULT: 7.00	METHOD: SM 18 4500-H ⁺ B-2011	8/19/2025	12:05	JDS
D.O. METER	EcoSense DO200A	TEMPERATURE RESULT: 23.7	COMPENSATED D.O. RESULT: 8.53	METHOD: SM 18 4500-O G	8/19/2025	12:21	JDS
TEMPERATURE	EcoSense DO200A			METHOD: SM 18 2550 B	8/19/2025	12:21	JDS
SALINITY	Exttech ExStik II	STANDARDS USED (circle) 84 1413 12,880		METHOD: EPA 9050A	8/19/2025	12:10	JDS

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
 NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
 WEATHER UNDERGROUND: [WWW.WUNDERGROUND.COM](http://www.wunderground.com)
 TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
 NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAATIDEPREDICTIONS.HTML?id=8635150](https://tidesandcurrents.noaa.gov/NOAATIDEPREDICTIONS.HTML?id=8635150)
 US HARBORS: [HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.usharbors.com/harbor/virginia/colonial-beach/va/)
 THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: August 27, 2025

Project #: PR16219

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
8/19/25 1422	TCBSEP-W1	Enterococci	30	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1415	TCBSEP-W2	Enterococci	63	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1333	TCBSEP-W3	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1349	TCBSEP-W4	Enterococci	97	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1357	TCBSEP-W5	Enterococci	20	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1317	TCBSEP-W6	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV
8/19/25 1300	TCBSEP-W7	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/22/2025 1725	KSIV

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:


KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.
STATE-CERTIFIED ENVIRONMENTAL LABORATORY
 224 MAIN ST., SUITE 1, #222
 PORT ROYAL, VIRGINIA 22535
 (804) 742-5577
 www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Dole: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR16219

Client Town Of Colonial Beach

Phone # 804-224-7181

Address 315 Douglas Avenue Colonial Beach, VA 22443

Fax # or Email ntucker@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Project Name			Rush Analysis	Date Results Requested	Analysis Requested																
Monroe Bat Water Quality Assessments																					
PO#																					
Sampler (Signature)			(Print Name)		Number of Containers	Matrix	Composite/Grab	Preservative	Enterococci												
<i>Jamie Silvers</i>			Jamie Silvers																		
Date	Time	Sample Identification																			
8/19/2025	14:22	TCBSEP-W1		1	SW	G	X														
8/19/2025	14:15	TCBSEP-W2		1	SW	G	X														
8/19/2025	13:33	TCBSEP-W3		1	SW	G	X														
8/19/2025	13:49	TCBSEP-W4		1	SW	G	X														
8/19/2025	13:57	TCBSEP-W5		1	SW	G	X														
8/19/2025	13:17	TCBSEP-W6		1	SW	G	X														
8/19/2025	13:00	TCBSEP-W7		1	SW	G	X														
Relinquished by (Signature)			Date	Time	Received by (Signature)																
<i>Jamie Silvers</i>			8/19/25	1448	<i>Umaria Denton</i>																
Relinquished by (Signature)			Date	Time	Received by (Signature)																
<i>Umaria Denton</i>			8/20/25	1315	<i>Enthalpy</i>																
Relinquished by (Signature)			Date	Time	Received by (Signature)																

MAL Sample Check Record
 Date/Time received Inspected 8/19/25 1450 AEG
 Project # PR16219 # Containers 7
 Ice Blue Ice _____ Sample Temperature 19.8
 Sample Containers Intact N
 ***If, No List Broken Sample (s) _____
 Additional Notes _____
 MAL IR Thermometer SN: US 02790A18
 Preservatives: N = Nitric; H = Hydrochloric S = Sulfuric Zn - Zinc-Acet

CB SEP FIELD MONITORING

INBODEN ENVIRONMENTAL SERVICES, INC. Inboden Environmental Services, Inc.

5790 MAIN STREET
MT. JACKSON, VA 22842



PHONE: (540) 477-3300 FAX: (540) 477-3360

Client: Town of Colonial Beach	Contact Person: John Simmons, PM, Cell: (540) 319-8007
Address 315 Douglas Avenue	Submit Report to: Natasha Tucker, Town Manager
Town: Colonial Beach State: VA Zip: 22443	Phone: (540) 940-7828
Project ID: SEP Phone: 804-224-7181 Fax:	E-mail: ntucker@colonialbeachva.gov

SAMPLE INFORMATION				Field Parameters								
Sample Location	Sample Date	Sample Time	Sample Depth	pH [std. units]	Temp [°C]	DO [mg/L]	Salinity [ppt]	High Tide [time]	Ebb Current Window	72-hr Preceding Rainfall [in]	Sampler Initials	Notes
TCBSEP-W1	8/28/25	13:	0.5'	7.97	25.7	6.93	6.15	06:36	12:51	0"	JDS	
TCBSEP-W2	8/28/25	13:13	0.5'	7.86	25.8	6.61	6.25	06:36	12:51	0"	JDS	
TCBSEP-W3	8/28/25	12:27	0.5'	7.97	25.4	8.70	6.36	06:36	12:51	0"	JDS	
TCBSEP-W4	8/28/25	12:40	0.5'	8.24	26.7	8.13	8.53	06:36	12:51	0"	JDS	
TCBSEP-W5	8/28/25	12:52	0.5'	8.16	26.1	7.83	6.14	06:36	12:51	0"	JDS	
TCBSEP-W6	8/28/25	11:52	0.5'	7.97	25.3	5.70	8.57	06:36	12:51	0"	JDS	
TCBSEP-W7	8/28/25	12:09	0.5'	7.96	25.6	6.90	6.62	06:36	12:51	0"	JDS	

FIELD EQUIPMENT CALIBRATION LOG							
EQUIPMENT	MAKE & MODEL	CALIBRATION TECHNIQUES			DATE	TIME	TECHNICIAN
pH METER	Fast pH2 plant pro	BUFFERS USED (circle) 4 7 10	pH 7 CHECK STANDARD RESULT: 7.02	METHOD: SM 18 4500-H ⁺ B-2011	8/28/25	11:15	JDS
D.O. METER	EcoSense Pro DO200A	TEMPERATURE RESULT: 22.4	COMPENSATED D.O. RESULT: 8.62	METHOD: SM 18 4500-O G	8/28/25	11:10	JDS
TEMPERATURE	EcoSense Pro DO200A			METHOD: SM 18 2550 B	8/28/25	11:10	JDS
SALINITY	Exttech ExStik II	STANDARDS USED (circle) 84 1413 12,880		METHOD: EPA 9050A	8/28/25	11:20	JDS

NOTES: RECORD ACTUAL RAINFALL TOTALS UP TO 72 HOURS PRIOR TO THE TIME OF SAMPLE COLLECTION.
 NATIONAL WEATHER SERVICE WEATHER PREDICTION CENTER: [HTTPS://WWW.WPC.NCEP.NOAA.GOV/](https://www.wpc.ncep.noaa.gov/)
 WEATHER UNDERGROUND: [WWW.WUNDERGROUND.COM](http://www.wunderground.com)
 TIDAL DATA (HIGH TIDE TIME, EBB CURRENT WINDOW) IS AVAILABLE FROM:
 NOAA: [HTTPS://TIDESANDCURRENTS.NOAA.GOV/NOAAtidepredictions.html?id=8635150](https://tidesandcurrents.noaa.gov/NOAAtidepredictions.html?id=8635150)
 US HARBORS: [HTTPS://WWW.USHARBORS.COM/HARBOR/VIRGINIA/COLONIAL-BEACH-VA/](https://www.usharbors.com/harbor/virginia/colonial-beach/va/)
 THE INTERACTIVE VIRGINIA TIDES MAP: [HTTPS://TIDES.NET/VIRGINIA/573/](https://tides.net/virginia/573/)

NOTES:

Mid-Atlantic Laboratories, Inc.
State-Certified Environmental Laboratory.

224 Main St., Suite 1, Port Royal, Virginia 22535
804-742-5577 www.midatlanticlaboratories.com

Lab certifications: VA00215, WV #9926, MD #215, NC #51704

Certificate of Analysis

Client: INBODEN ENVIRONMENTAL SERVICES, INC. 5790 MAIN ST., MT. JACKSON, VA 22842

Report Date: September 5, 2025

Project #: PR16364

Sample Location: MONROE BAY WATER QUALITY ASSESSMENTS

Date/Time Collected	Sample Location	Analyte	Lab Results	Units	RL	DF	Method	Date/Time Analyzed	Analyst
8/28/25 1316	TCBSEP-W1	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1309	TCBSEP-W2	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1219	TCBSEP-W3	Enterococci	52	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1237	TCBSEP-W4	Enterococci	41	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1245	TCBSEP-W5	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1148	TCBSEP-W6	Enterococci	<10	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL
8/28/25 1205	TCBSEP-W7	Enterococci	10	MPN/100 mL	10	10	Enterolert	08/30/2025 1720	MJRL

Enthalpy Analytical -NELAP-VA Certificate #11539 Lab ID 460021

DF = Dilution Factor

RL = Reporting Limit

< less than = Not detected

MPN/100 mL= Most Probable Number Per 100 Milliliters



Reviewed by:

A handwritten signature in black ink, appearing to read "KS Storke".

KS Storke, Quality Control Officer



MID-ATLANTIC LABORATORIES INC.
STATE-CERTIFIED ENVIRONMENTAL LABORATORY
 224 MAIN ST., SUITE 1, #222
 PORT ROYAL, VIRGINIA 22535
 (804) 742-5577
 www.midatlanticlaboratories.com

MAL DOC 88 Chain of Custody

Eft. Date: 1-4-24

CHAIN OF CUSTODY

Lab Project # PR 16364

Client Town Of Colonial Beach

Phone # 804-224-7181

Address 315 Douglas Avenue Colonial Beach, VA 22443

Fax # or Email ntucker@colonialbeachva.gov

PWSID # _____ (Drinking Water Only)

Inboden

Project Name			Rush Analysis	Date Results Requested	Analysis Requested																	
Monroe Bat Water Quality Assessments																						
PO#																						
Sampler (Signature)			(Print Name)																			
Date	Time	Sample Identification	Number of Containers	Matrix	Composite/Grab	Preservative	Enterococci															
8/28/2025	13:16	TCBSEP-W1	1	SA	G	X																
8/28/2025	13:09	TCBSEP-W2	1	SA	G	X																
8/28/2025	12:19	TCBSEP-W3	1	SA	G	X																
8/28/2025	12:37	TCBSEP-W4	1	SA	G	X																
8/28/2025	12:45	TCBSEP-W5	1	SA	G	X																
8/28/2025	11:48	TCBSEP-W6	1	SA	G	X																
8/28/2025	12:05	TCBSEP-W7	1	SA	G	X																
Relinquished by (Signature)			Date	Time	Received by (Signature)		MAL Sample Check Record															
<i>James Baker</i>			8/28/25	1305	<i>Outie</i>		Date/Time received Inspected	8/28/25	1310	REC	Project #	PR16364	# Containers	7	Ice	<input checked="" type="checkbox"/>	Blue Ice		Sample Temperature	8.0	Sample Containers Intact	<input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by (Signature)			Date	Time	Received by (Signature)		***If, No List Broken Sample (s)					Additional Notes										
<i>Amantia Deane</i>			8/29/25	1220	<i>Enthalay</i>		MAL IR Thermometer SN: US 02790A18					Preservatives: N = Nitric H = Hydrochloric S = Sulfuric Zn = Zinc-Acet										
Relinquished by (Signature)			Date	Time	Received by (Signature)																	