



"Providing Quality Analytical Services Since 1939"

2829 Reach Road, Williamsport, PA 17701 • Phone: (570) 326-4001 • Fax: (570) 326-0399 • www.seewaldlabs.com

Certificate of Analysis

June 16, 2018

Seewald Laboratories, Inc.

Jack Bailey	Work Order: 1814380
City of Lock Haven	Project: Beach
20 East Church St	
Lock Haven, PA 17745	
Dear Jack Bailey,	
Enclosed is your report of analysis that contains the result(s) of the comments regarding the content of this report to our Client Services Raymond J. Martrano at (570) 326 - 4001.	, , ,
Seewald Laboratories, Inc. is a National Environmental Laboratory A analytical result(s) contained in this report meet those regulation rectesting and/or analysis comply with the requirements in 40 CFR part requirements in 40 CFR part 136. All Solid and Chemical Material to All quantitative solid result(s), unless otherwise indicated, are report calculation.	juirements, except where noted. For example, all drinking water 141. All wastewater testing and/or analysis comply with the esting and/or analysis complies with the requirements in SW-846.
Sample(s) that were collected by Seewald Laboratories, Inc. person laboratory's Field Sampling and Field Analysis Standard Operating Frepresentative of the sample(s) as received. Any and all information Laboratories, Inc. and is not within our scope of accreditation. Any a documentation contained herein.	Procedures. The result(s) contained within this report are provided to us by the client was not performed by Seewald
All information contained within this report is the property of Seewal reproduced in any form without prior consent from either an authoriz which this report was intended. If required, this report must be repro responsible for the use or interpretation of the data included herein.	red representative of Seewald Laboratories, Inc. or the client for
Please visit www.seewaldlabs.com for a complete list of our accredi	ted parameters and other topics of interest.
Regards,	

Ray Martrano, Laboratory Director

PA Lab ID: 41-00034 • Maryland Certificate #: 202 • Delaware Office of Drinking Water • NY State Lab ID: 12028

Approved by:

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City of Lock Haven Project: Beach

20 East Church St Project Number:

Lock Haven, PA 17745 Reported: 06/16/2018 08:51

Sample Summary

Lab ID	Sample	Matrix	Sampled	Received
1814380-01	Citv Beach	Non-Potable Water	06/13/2018 09:00	06/13/2018 14:00







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City of Lock Haven Project: Beach

20 East Church St Project Number:

Lock Haven, PA 17745 Reported: 06/16/2018 08:51

Analytical Results

 Sample ID:
 City Beach
 Sampled:
 06/13/2018 09:00

 Lab ID:
 1814380-01
 Received:
 06/13/2018 14:00

Matrix: Non-Potable Water

Analyte	Result	Units	Qualifier	Reporting Limit	Prepared	Analyzed	Method	Analyst
Microbiology								
E. coli (enumeration)	579	MPN/100 mL	G	1	6/13/18 15:15	6/14/18 11:45	SM 9223 B/Quanti-Tray	JAB







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City of Lock Haven Project: Beach

20 East Church St Project Number:

Lock Haven, PA 17745 Reported: 06/16/2018 08:51

Notes and Definitions

Item	Definition
G	Result is currently not in compliance with the Public Swimming & Bathing provisions established by the Department of Health.
ND	Not Detected at or above the Minimum Reporting Limit
Reporting Limit	This value represents the minimum concentration that the target analyte can be identified and quantitated with confidence



SEEWALD				PA/MD/DE Drinking Water Only
	1814380		-	Circle State of Origin for Compliance Monitoring
LABORATORIES, INC.	1014000		, gray areas are	PWSID#
2829 Reach Road			ple analysis.	Type: Annual Semi-Annual Quarterly Monthly
	illing: Turn Aro	und Time: Ref	orting:	Monitoring Period: to
	ash PO:NA Standar	d Rush Bas	or QC Report	Reporting Type: C D E F I L M P R S
Continue	neck Ck#: Rush Du			Location Code:
		Lab Employee Fedi	Ex UPS US Postal	Walk in Other: Reporting Type Key:
First Time Customer? Y / N	Report to / Bill to (if different):	# of Coolers:\	Temp: 0 (7 C	C = Check F = Follow-up
Contact Person: Jack Bailey		Received on Ice?		Date: Time: D = Dist. I = Initial
Client/Co.Name: City of Lock Haven Address: 20 E. Church Street		Coolers & samples in		poke to: E = Entry Point L = Lead
City, State, Zip: Lock Haven PA 17745	SAME	COC intact & comple		Reason: M = Max Res service
Telephone No: 570-893-5612	SAILE	Correct container pr		R = Raw P = Plant
Cell No: 570-660-6671		Sample/COC/Analys Adequate sample vo	the first of the contract of t	S = Special
Fax No: 570-893-5905		Headspace present?	Control of the Contro	Comment(s)/Note(s):
Email Address:	· · · · · · · · · · · · · · · · · · ·	Sample(s) pH accept		
Sample Information: Project Name: Lo	ck Haven City Beach	Completed By:	<u> </u>	6
pH: SUCTemp: °C:Meter.#: *Comp #1		1: RA (13/18	T25 MULTINIS	
Field O2: mg/L Temp: C Meter #: Start:			eservation (see ke	~ 1
- 12 Total (1985年)	@ End: @ \$ P			
Seewald Sample Identification Matrix Sample	Date Sample Time Grab or 6	4961318 per	sande receiv	
TO A MORNING SAIDURE DEBILICATION . 1	1)			
LIMS No(s) (Key) (MM/D		ndicate number o	of containers belo	Analyses/Method Request
City Beach RADPW 06/12		ndicate number o	of containers belo	W Analyses/Wethod Request Total coliform/E-coli
City Beach Ro DPW 06/13		ndicate number o	of containers belo	W
City Beach Ro DPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach Ro DPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach RADPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach RADPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach Ro DPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach Ro DPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach RADPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach RADPW 06/13		ndicate number o	of containers belo	Total coliform/E-coli
City Beach RADPW 06/13	18 9 AM GRAB		of containers belo	Total coliform/E-coli
City Beach Ro DPW 06/13	Plastic (WP) Whirl-Pak (O) Other			Total coliform/E-coli
City Beach Bollow Oblish Colors (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile	Plastic (WP) Whirl-Pak (O) Other i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ Cl (b)	C ₆ H ₈ O ₆ (c) MeOH (d) Nal	HSO ₄	Total coliform/E-coli
Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Preservation: (0) none (1) H ₂ SO ₄ (2) HCL (3) HNO ₃ (4) NaOH (5) Zn(O ₂ CCH ₃) ₂ (6 Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemic (A) Air (DI) Reagent Water (O) Other	Plastic (WP) Whirl-Pak (O) Other i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ CI (b) all Materials (D) Dairy (FD) Frozen Desserts (F) Foor	C ₆ H ₈ O ₆ (c) MeOH (d) Nal	HSO ₄	Total coliform/E-coli
Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Preservation: (0) none (1) H ₂ SO ₄ (2) HCL (3) HNO ₃ (4) NaOH (5) Zn(O ₂ CCH ₃) ₂ (6) Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemic (A) Air (DI) Reagent Water (O) Other (Signatures Only) Sampled By 1 st):	Plastic (WP) Whirl-Pak (O) Other i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ Cl (b) all Materials (D) Dairy (FD) Frozen Desserts (F) Foot	C ₆ H ₈ O ₆ (c) MeOH (d) Nal i (PC) Plastic Cont. (ENV)	HSO ₄	Total coliform/E-coli
Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Preservation: (0) none (1) H ₂ SO ₄ (2) HCL (3) HNO ₃ (4) NaOH (5) Zn(O ₂ CCH ₃) ₂ (6) Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemic (A) Air (DI) Reagent Water (O) Other (Signatures Only) Sampled By 1 st):	Plastic (WP) Whirl-Pak (O) Other i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ Cl (b) all Materials (D) Dairy (FD) Frozen Desserts (F) Foot	C ₆ H ₈ O ₆ (c) MeOH (d) Nal i (PC) Plastic Cont. (ENV)	HSO ₄ Env. Swabs (SW) Surface	Total coliform/E-coli
Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Preservation: (0) none (1) H ₂ SO ₄ (2) HCL (3) HNO ₃ (4) NaOH (5) Zn(O ₂ CCH ₃) ₂ (6 Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemic (A) Air (DI) Reagent Water (O) Other	Plastic (WP) Whirl-Pak (O) Other (i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ Cl (b) all Materials (D) Dairy (FD) Frozen Desserts (F) Food (Color) (Color) (FD) (Initials: (P) (P) (P) (P) (P) (P) (P) (P	C ₆ H ₈ O ₆ (c) MeOH (d) Nal i (PC) Plastic Cont. (ENV)	HSO ₄ Env. Swabs (SW) Surface	Total coliform/E-coli ALBAS Septs checked by (Lab Initials): Water (GW) Ground Water Date: 4/3/5 Time: 1/35
Container: (CG) Clear Glass (AG) Amber Glass (P) Plastic (V) Vial (SP) Sterile Preservation: (0) none (1) H ₂ SO ₄ (2) HCL (3) HNO ₃ (4) NaOH (5) Zn(O ₂ CCH ₃) ₂ (6 Matrix: (DW) Drinking Water (NPW) Non-Potable Water (SCM) Solid/Chemic (A) Air (DI) Reagent Water (O) Other (Signatures Only) Relinquished By (1 st):	Plastic (WP) Whirl-Pak (O) Other i) Na ₂ S ₂ O ₃ (7) NH ₄ CL (8) H ₃ PO ₄ (9) Other (a) NH ₄ Cl (b all Materials (D) Dairy (FD) Frozen Desserts (F) Food Which the second of the sec	C ₆ H ₈ O ₆ (c) MeOH (d) Nai d (PC) Plastic Cont. (ENV)	HSO ₄ Env. Swabs (SW) Surface	Total coliform/E-coli

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