

Alaska Laboratory AK01000

Client City of Saint Paul Water System

Contact Adrian Dirks

Project Name City of Saint Paul PWS 260286 2023 CMP

AWL # AWL-23-02781

PWS # AK2260286

Please direct any questions regarding the final report to Mary@AKWaterLabs.com or Matt@AKWaterLabs.com, or call 907-373-6130.

The results presented in this report meet the requirement of the laboratory's certifications and internal QC processes. Any exceptions will be noted in the case narratives attached. Subcontract data will be entered into AWL final reports. Full subcontract reports are available upon request.

The attached should contain analytical results for the analyses submitted on the client chain of custody. The information includes no opinions of the analysts or labs, data is represented after meeting certified testing requirements, and quality control measures.

Reproduction of the report requires the written approval of the laboratory.

AWL Laboratory Management

Date

Alaska Laboratory #AK01000

Client Project Name	City of Saint Paul PWS 260286 2023 CMP	AWL #	AWL-23-02781
Receipt Date and Time	09/19/2023 12:18	Due Date	09/25/2023 16:00
Cooler Temperature (C)	2.90	Sampler Initials	AD
Sample receipt comments	Received by BFM on 09/19/2023 at 2.90 (RT1) on frozen ice by courier (Ravn 8125491 (shared w/-02782)).		
Log In	NKM/TDH 09/19/2023	DQO	JB 9/20/2023

Samples Received

Sample Location	AWL ID	Collection Date/Time	Analysis Date/Time	Analysis	Notes
Public Works	AWL-23-02781-001	09/18/2023 12:25	9/19/23 15:29	SM9223B Total Coliform PA	2855

Analytical Methods

Analyte	Analytical Method	Comments
Total Coliform, E. Coli	SM9223B Total Coliform PA	

Certification: Alaska Drinking Water
 CMDP Job ID: 418655

Comments:

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Definitions:

DUP: Sample Duplicate
LCS/LCSD: Laboratory Control Sample/Laboratory Control Sample Duplicate
MRL: Method Reporting Limit
MB: Method Blank
MCL: Maximum Contaminant Limit
MDL: Method Detection Limit
MS/MSD: Matrix Spike/Matrix Spike Duplicate
N/A: Not Applicable
TNTC: Cell count is Too Numerous To Count
<MDL: Result recovery is below the laboratory detectable limit, listed as the MDL.

Data Qualifiers:

B: The result of both the method blank and the target sample were recovered above the MDL.
D: Sample was diluted prior to analysis.
J: The reported result was recovered below the MRL (Method Reporting Limit), but above the MDL (Method Detection Limit), and should be considered an estimate.
U: Result was recovered below the MDL, MRL, LOD, and LOQ.
*: The LCS/LCSD or DUP was recovered outside method specified control limits.
H: Sample was received or analyzed outside of method specified holding time.
E: Sample recovery exceeded the MCL.
Q: One or more Quality Control criteria was recovered outside of control limits.

General Comments:

1.0) Basis: "As Received" = Analyzed as received from client. "Dry" = dried prior to being analyzed. "Dry Weight Corrected" = analyzed as received, result corrected for percent moisture.

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Analytical Results

Client City of Saint Paul Water System Project City of Saint Paul PWS 260286 2023 CMP

Contact Adrian Dirks PWS # AK2260286

Project City of Saint Paul PWS 260286 2023 CMP

Sample Location: Public Works SPID: SPDS001TCR Collection Date/Time: 09/18/2023 12:25

FCID: DS001

AWL ID/ Fraction: AWL-23-02781-001 Matrix: DW Batch ID: 091923-01-PA18

Analyte	Result	Units	MDL	MCL	Flags	DF	Method	Date/Time	Anaylst Initials
Total Coliform	Absent	Presence/Absence	1	1		1	Colilert-18 PA	9/19/23 15:29	BFM
E. Coli	Absent	Presence/Absence	1	1		1	Colilert-18 PA	9/19/23 15:29	BFM
Comments:									

AWL-23- 02781

Anchorage Laboratory
907 East Dowling Road Suite 24
Anchorage, Alaska 99518
(907) 258-2155

Biological Analysis Chain of Custody

Lab Use Only	
Bottle ID:	2855
Date Received:	9/19/23
Time Received:	12:18
Received by:	BSM
Temp:	290
Delivered By:	100877 Courier

Std 1 BD 2BD (Rush at additional cost)

LGN: 001
Shared w/ 02782
Lawn: 8125491

Items in **BOLD** MUST be filled out by the sampler. Missing information may result in lab rejection of the sample.

Client: Saint Paul Water System Reporting Contact: Adrian Dirks
Address: PO Box 901 City, State, Zip: Saint Paul, AK 99660
Phone: 907-600-4358 Email: adirks@atpaulak.com

Date Sampled: 09/18/23 Time Sampled: 12:25 PWS ID#: 260286

Location Sampled: Public Works Project ID: 2023 CMP

Sampler Name Printed: Adrian Dirks Sign/Date Here: ADrian 09/18/23

Drinking Water: Treated: Total Chlorine: 0.01 mg/L Ultraviolet Filtered
 Untreated
Non-Drinking Water: Salt Water Wastewater Raw Source Water Pool and Spa

Analysis Requested: **Standard Drinking Water: Total Coliform Bacteria/E. coli – Presence/Absence Results**
 Drinking Water: Total Coliform Bacteria – Quanti-tray MPN
 Wastewater: Fecal Coliform Bacteria – Membrane Filtration.....Hold Time: EPA 8 hours
 Wastewater: Enterococcus Bacteria – Quanti-tray MPN.....Hold Time: EPA 8 hours
 Marine: Fecal Coliform Bacteria – Membrane FiltrationHold Time: EPA 8 hours
 Marine: Enterococcus Bacteria – Quanti-tray MPN.....Hold Time: EPA 8 hours
Above samples accepted Monday through Thursday until 1:00 pm
 Pool and Spa: Heterotrophic Plate Count – Simplate and Total Coliform – Quanti-tray MPN
Above samples accepted Monday through Wednesday until 1:00 pm
 Other: Specify Analysis: _____

Samples received after Wednesday at 1pm for Pool/Spa, and Thursday after 1pm for Total Coliforms require weekend analysis with an additional \$150 fee. Sample receive times may change with Holiday hours

Contact your lab for details and weekend costs.

SAMPLING INSTRUCTIONS



- 1: Do not rinse the bottle.** The powder in the bottle is meant to be there and will not contaminate your sample.
- 2: Remove all hoses, aerators or screens** from the faucet. Avoid filling from swivel faucets or kitchen sinks. After removing screens, disinfect the faucet by dipping the spout in a cap of bleach for 30 seconds.
- 3: Run water for at least 3-5 minutes** to ensure that water has not been sitting in the pipes or tanks for a long time. **WASH YOUR HANDS WITH SOAP AND WARM WATER!**
- 4: Open sample bottle carefully.** Remove the red plastic sterile strip from the bottle and fill the bottle to at least the fill line (120mL). **Do not fill up to the top,** allow 1" of head space.
- 5: Screw cap on tight.** Take care not to touch the inside of the cap or bottle. If this happens, start with a new bottle.
- 6: Fill out paperwork completely, include the time and date sampled** Drop off or send the sample to the lab in secure packaging so the bottle does not break.

IMPORTANT: The lab must receive the sample when the lab is open for business and within 24 hours of collection.

Sampling protocol adapted from and photos from: ADEC Drinking Water Publication "Taking a Total Coliform Bacteria Sample Properly" at: <http://www.dec.state.ak.us/eh/dw/publications/publications.html>