

**Alaska Laboratory AK01000**

**Client** City of Saint Paul Water System

**Contact** Adrian Dirks

**Project Name** 2024 RAP City of Saint Paul

**AWL #** AWL-24-02966

**PWS #** AK2260286

Please direct any questions regarding the final report to your Project Manager [Alex@AKWaterLabs.com](mailto:Alex@AKWaterLabs.com) or [Amanda@AKWaterLabs.com](mailto:Amanda@AKWaterLabs.com), or call.

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.

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AWL Laboratory Management

Date

**Alaska Laboratory #AK01000**

Client Project Name	2024 RAP City of Saint Paul	AWL #	AWL-24-02966
Receipt Date and Time	10/16/2024 12:10	Due Date	11/05/2024 15:00
Cooler Temperature (C)	4.3	Sampler Initials	MB
Sample receipt comments	Sample received by CMN on 10/16/2024 at 4.3C RT1 on frozen ice by courier (RAVN 808-813-8804). No Bubbles in VOA Vial's.		
Log In	VJG 10/16/2024	DQO	CMN 10/16/2024

**Samples Received**

Sample Location	AWL ID	Collection Date/Time	Analysis Date/Time	Analysis	Notes
Public Works	AWL-24-02966-001	10/15/2024 13:45	10/22/2024 14:02	524.2 TTHM	524.2 TTHM
Trip Blank	AWL-24-02966-002	10/15/2024 13:45	10/22/2024 14:26	524.2 TTHM	524.2 TTHM Trip Blank

**Analytical Methods**

Analyte	Analytical Method	Comments
TTHM	524.2 TTHM	

Certification: Alaska Drinking Water  
 CMDP Job ID: 726010

Comments: Coli was received with another COC due to month change. VJG 10/16/2024

**Alaska Laboratory #AK01000**

**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 is equal to or 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.

**Alaska Laboratory #AK01000**

**Analytical Results**

Client City of Saint Paul Water System Project 2024 RAP City of Saint Paul  
Contact Adrian Dirks PWS # AK2260286  
Project 2024 RAP City of Saint Paul

Sample Location: Public Works SPID: SPDS1DBP2-2 Collection Date/Time: 10/15/2024 13:45  
FCID: DS001  
AWL ID/ Fraction: AWL-24-02966-001 Matrix FC Sub Lab ID: 810-125065-1

Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Bromodichloromethane	0.96	ug/L	0.50	0.10		1		524.2	Eurofins South Bend	10/22/2024 14:02
Bromoform	28	ug/L	0.50	0.20		1		524.2	Eurofins South Bend	10/22/2024 14:02
Chloroform	<0.20	ug/L	0.50	0.20		1		524.2	Eurofins South Bend	10/22/2024 14:02
Dibromochloromethane	5.9	ug/L	0.50	0.10		1		524.2	Eurofins South Bend	10/22/2024 14:02
Trihalomethanes, Total	34.86	ug/L	0.5000	0.2000	80.0	1		524.2	Eurofins South Bend	10/22/2024 14:02

Comments:

Sample Location: Trip Blank SPID: SPDS1DBP2-2 Collection Date/Time: 10/15/2024 13:45  
FCID: DS001  
AWL ID/ Fraction: AWL-24-02966-002 Matrix DW Sub Lab ID: 810-125065-2

Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Bromodichloromethane	<0.10	ug/L	0.50	0.10		1		524.2	Eurofins South Bend	10/22/2024 14:26
Bromoform	<0.20	ug/L	0.50	0.20		1		524.2	Eurofins South Bend	10/22/2024 14:26
Chloroform	0.26	ug/L	0.50	0.20		1	J	524.2	Eurofins South Bend	10/22/2024 14:26
Dibromochloromethane	<0.10	ug/L	0.50	0.10		1		524.2	Eurofins South Bend	10/22/2024 14:26
Trihalomethanes, Total	0.2600	ug/L	0.5000	0.2000	80.0	1	J	524.2	Eurofins South Bend	10/22/2024 14:26

Comments: There was a chloroform hit in the TB but not in the sample



AWL-24- 02966



AWL Chain of Custody  
Custody form MUST be signed  
Please provide as much information as possible

Client/Company Name & Address: City of Saint Paul Water Plant PO Box 901 Saint Paul Island, AK 99660		PWS ID: AK2260286		Project Name/ID: 2024 RAP City of Saint Paul September		Quote Number: 1331		AWL Staff	
Contact Person: Adrian Dirks Phone No: C. 907-600-4358		Standard: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited (prior authorization required)		Invoice Contact Name & Address & Phone:		Account #: _____		Check Credit	
Fax No: _____		Requested Date for Results: _____		Results to STATE: Yes No		Routine		PO/Contract No.:	
E-mail: <a href="mailto:adirks@stpaulak.com">adirks@stpaulak.com</a>		Specify if REPEAT sample		Requested Analysis/Method		Requested Analysis/Method		Requested Analysis/Method	
Special Instructions/Requirements: *Both Coli and tthm taken at Public Works site *Sample at same site monthly; Sampling location and types are highlighted in yellow.		Kit Preparation/Shipping Charge:		Client Sample Identification (Name, Designation, Location, etc.)		Client Sample Identification (Name, Designation, Location, etc.)		Client Sample Identification (Name, Designation, Location, etc.)	
1		Public Works		Date Sampled: 10/15/24 Time Sampled: 1:40 PM		Date Sampled: 10/15/24 Time Sampled: 1:45 PM		Date Sampled: _____ Time Sampled: _____	
2		Public Works		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
3		Trip Blank		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
4				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
5				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
6				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
7				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
8				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
9				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
#				Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____		Date Sampled: _____ Time Sampled: _____	
Relinquished by: <u>Monty Baker</u>		Date: 10/15/24		Time: 1:48 PM		Received by: <u>CMN</u>		Date: 10/16/24	
Relinquished by:		Date:		Time:		Received by:		Date:	
Relinquished by:		Date:		Time:		Received by:		Date:	
Name of Sampler: (printed) <u>Monty Baker</u>		Date: _____		Time: _____		Received by: _____		Date: _____	
Custody Seal (circle): Intact		Temperature on arrival: 4.3 °C		Temp: (TB) Cooler		Ice: Frozen		Wet	
Thermo ID: <u>RT7</u>		Custody Seal (circle): Intact		Temp: _____		Ice: _____		Wet: _____	
Rev Notes: _____		Delivery Method (Circle): <u>RAV</u>		Temp: _____		Ice: _____		Wet: _____	
Hand: _____		Courier: <u>RAV</u>		Temp: _____		Ice: _____		Wet: _____	
USPS/Mail: _____		Hand: _____		Temp: _____		Ice: _____		Wet: _____	

page \_\_\_\_\_ of \_\_\_\_\_

Version 0.1 12/21

3/3 TTHM: no bubbles  
2/2 TB: no bubbles.

Shred w/ (09/68)