

Alaska Laboratory AK01000

Client City of Saint Paul Water System

Contact Adrian Dirks

Project Name City of St. Paul-Non-CMP Testing

AWL # AWL-23-03158

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 St. Paul-Non-CMP Testing	AWL #	AWL-23-03158
Receipt Date and Time	10/23/2023 15:20	Due Date	11/12/2023 15:00
Cooler Temperature (C)	Ambient	Sampler Initials	AD
Sample receipt comments	Sample received by VJG on 10/23/2023 at ambient temperature by NUS cooler. Metals pH<2. This project is outside their CMP and needs to be invoiced to St. Paul. 10/25/23 JB		
Log In	VJG 10/23/2023	DQO	JB 10/25/2023

Samples Received

Sample Location	AWL ID	Collection Date/Time	Analysis Date/Time	Analysis	Notes
Hse 55 King Street	AWL-23-03158-001	10/18/2023 15:16	10/30/2023 16:18	200.8 Lead and Copper	200.8 Pb/ Cu Frist Draw Time Off 6:54
162 C Ellerman Heights	AWL-23-03158-002	10/18/2023 15:25	10/30/2023 16:20	200.8 Lead and Copper	200.8 Pb/ Cu Frist Draw Time Off 6:51
161 A Ellerman Heights	AWL-23-03158-003	10/18/2023 15:31	10/30/2023 16:27	200.8 Lead and Copper	200.8 Pb/ Cu Frist Draw Time Off 6:55
Hse 25 Baranof Street	AWL-23-03158-004	10/17/2023 08:12	10/30/2023 16:29	200.8 Lead and Copper	200.8 Pb / Cu 1st Draw Time Off 12:32

Analytical Methods

Analyte	Analytical Method	Comments
Pb/Cu	200.8	

Certification: Alaska Drinking Water
CMDP Job ID: 448037

Comments: The Matrix Spike and Matrix Spike duplicate recovered Copper outside of control limits, however Copper was present in the samples at 4 or more times the Matrix Spike concentration and therefore control limits are not applicable to MS/MSD recoveries. All other QC met method criteria, and data is considered acceptable for reporting.

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 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 City of St. Paul-Non-CMP Testing

Contact Adrian Dirks PWS # AK2260286

Project City of St. Paul-Non-CMP Testing

Sample Location:	Hse 55 King Street	SPID:	SPDS001PC	Collection Date/Time:	10/18/2023 15:16					
		FCID:	DS001							
AWL ID/ Fraction:	AWL-23-03158-001	Matrix	DW	Sub Lab ID:	810-82682-1					
Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Lead	1.0	ug/L	0.50	0.13	15	1		200.8	Eurofins South Bend	10/30/2023 16:18
Copper	610	ug/L	1.0	0.57	1300	1		200.8	Eurofins South Bend	10/30/2023 16:18

Comments:

Sample Location:	162 C Ellerman Heights	SPID:	SPDS001PC	Collection Date/Time:	10/18/2023 15:25					
		FCID:	DS001							
AWL ID/ Fraction:	AWL-23-03158-002	Matrix	DW	Sub Lab ID:	810-82682-2					
Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Lead	0.29	ug/L	0.50	0.13	15	1	J	200.8	Eurofins South Bend	10/30/2023 16:20
Copper	460	ug/L	1.0	0.57	1300	1		200.8	Eurofins South Bend	10/30/2023 16:20

Comments:

Sample Location:	161 A Ellerman Heights	SPID:	SPDS001PC	Collection Date/Time:	10/18/2023 15:31					
		FCID:	DS001							
AWL ID/ Fraction:	AWL-23-03158-003	Matrix	DW	Sub Lab ID:	810-82682-3					
Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Lead	0.46	ug/L	0.50	0.13	15	1	J	200.8	Eurofins South Bend	10/30/2023 16:27
Copper	170	ug/L	1.0	0.57	1300	1		200.8	Eurofins South Bend	10/30/2023 16:27

Comments:

Sample Location:	Hse 25 Baranof Street	SPID:	SPDS001PC	Collection Date/Time:	10/17/2023 08:12					
		FCID:	DS001							
AWL ID/ Fraction:	AWL-23-03158-004	Matrix	DW	Sub Lab ID:	810-82682-4					
Analyte	Result	Units	MRL	MDL	MCL	DF	Flags	Method	Sub Lab	Analysis Date/Time
Lead	0.19	ug/L	0.50	0.13	15	1	J	200.8	Eurofins South Bend	10/30/2023 16:29
Copper	600	ug/L	1.0	0.57	1300	1		200.8	Eurofins South Bend	10/30/2023 16:29

Comments:



AWL-23- 03158



AWL Chain of Custody

Custody form MUST be signed
Please provide as much information as possible

Client/Company Name & Address: Water Plant Box 901 Saint Paul Island, AK 99660		Public Water System (PWS) ID: 260286		Quote Number AWL Staff	
Contact Person: Adrian Dicks		Project Name/ID: St. Paul PWS #260286 2023 CMP		Account #: Check Credit	
Phone No: 907-600-4358		Turnaround Time (TAT) for Results		Invoice Contact Name & Address & Phone:	
Fax No: (907) 546-2453		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited (prior authorization required) <small>*Specify Requested Due Date if not standard</small>			
E-mail: adrian@stapaulak.com		Requested Date for Results:			
Special Instructions/Requirements:		Results to STATE: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
		Specify if REPEAT sample		PO/Contract No.:	
				Requested Analysis/Method	
Kit Preparation/Shipping Charge:					
Client Sample Identification (Name, Designation, Location, etc.)					
1	55 Kings St.	Date Sampled	10/18/23	Time Sampled	15:16
2	62 E Ellerman Herstad	Date	10/18/23	Time	15:25
3	161 A Ellerman Herstad	Date	10/18/23	Time	15:31
4	HSE# 25 Barrow St.	Date	10/17/23	Time	08:12
5		Date		Time	
6		Date		Time	
7		Date		Time	
8		Date		Time	
9		Date		Time	
10		Date		Time	
Relinquished by: AD		Date	10/19	Time	13:00
Relinquished by:		Date	10/23/23	Time	15:20
Relinquished by:		Date		Time	
Name of Sampler: (printed)		Adrian Dicks			



281 N Main Street
Wasilla, AK 99654
907-373-6130

55

How to Take a Lead and Copper "First Draw"

To ensure no errors occur during sampling, please follow these steps when taking a "First Draw" sample from your water system:

- Typically the evening before, after all water has been used for the night, and **note the "Water was turned off" Time/Date Off** on this affidavit below.
- Turn off the water for the night (or planned no use period).
TOTAKE A "FIRST DRAW" SAMPLE, YOUR WATER MUST BE OFF FOR THE MINIMUM REQUIRED 6 HOURS.

It is strongly recommended that the "first Draw" sample be taken within 8 hours of turning off the water (this provides a 2-hour window for taking the sample).

- Do not remove any screens from the faucet before taking the "First Draw" sample. After the 6-hour waiting period, prior to ANY water being used, place the 1-liter sample bottle obtained from AWL under the faucet and turn on the **COLD** water to a gentle stream to fill the bottle. Do not use hot water and do not rinse out the sample bottle.
TO GET THE "FIRST DRAW" SAMPLE, DO NOT RUN THE WATER WITHOUT THE BOTTLE UNDER THE FAUCET.
- Fill the bottle to the shoulder and turn off the water. Do not fill to the top or allow the bottle to overflow. Tightly screw the cap onto the bottle.
- Note the "First Draw was taken" Time/Date**, and additional information below and return with your sample bottle.

TO BE COMPLETED BY THE SAMPLER - PLEASE PRINT

First Name Adriean Last Name Dirks

Please enter the time and date for the following actions:

Water was turned off at 0829 AM PM on Oct 18th 2023
 "First Draw" was taken at 13:16 AM PM on Oct 18th 2023
 Water sat unused for 6 hours 6:54

WATER MUST BE OFF FOR AT LEAST 6 HOURS OR ALASKA WATER LABORATORIES LLC. CANNOT ACCEPT THE SAMPLE.

Sample was taken from the Kitchen sink Bathroom sink
 Other (list here) _____

I have read the above directions and have taken the "First Draw" sample in accordance with these directions. _____

[Signature] _____ 10/18/23 _____
 Signature Date



281 N Main Street
Wasilla, AK 99654
907-373-6130

162 C

How to Take a Lead and Copper "First Draw"

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3. Do not remove any screens from the faucet before taking the "First Draw" sample. After the 6-hour waiting period, prior to ANY water being used, place the 1-liter sample bottle obtained from AWL under the faucet and turn on the COLD water to a gentle stream to fill the bottle. Do not use hot water and do not rinse out the sample bottle.

TO GET THE "FIRST DRAW" SAMPLE, DO NOT RUN THE WATER WITHOUT THE BOTTLE UNDER THE FAUCET.

4. Fill the bottle to the shoulder and turn off the water. Do not fill to the top or allow the bottle to overflow. Tightly screw the cap onto the bottle.
5. Note the "First Draw was taken" Time/Date, and additional information below and return with your sample bottle.

TO BE COMPLETED BY THE SAMPLER - PLEASE PRINT

First Name Adrian Last Name Dukes

Please enter the time and date for the following actions:

Water was turned off at 10:34 AM PM on 10/18/23

"First Draw" was taken at 13:25 AM PM on 10/18/23

Water sat unused for 6 hours 6:59

WATER MUST BE OFF FOR AT LEAST 6 HOURS OR ALASKA WATER LABORATORIES LLC. CANNOT ACCEPT THE SAMPLE.

Sample was taken from the Kitchen sink Bathroom sink
 Other (list here) _____

I have read the above directions and have taken the "First Draw" sample in accordance with these directions. _____

[Signature]
Signature

10/18/23
Date



281 N Main Street
Wasilla, AK 99654
907-373-6130

161 A

How to Take a Lead and Copper "First Draw"

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- Fill the bottle to the shoulder and turn off the water. Do not fill to the top or allow the bottle to overflow. Tightly screw the cap onto the bottle.
- Note the "First Draw was taken" Time/Date**, and additional information below and return with your sample bottle.

TO BE COMPLETED BY THE SAMPLER - PLEASE PRINT

First Name Adrian Last Name Davis

Please enter the time and date for the following actions:

Water was turned off at 0836 AM PM on 10/18/23

"First Draw" was taken at 1531 AM PM on 10/18/23

Water sat unused for 6 hours 6:55

WATER MUST BE OFF FOR AT LEAST 6 HOURS OR ALASKA WATER LABORATORIES LLC. CANNOT ACCEPT THE SAMPLE.

Sample was taken from the Kitchen sink Bathroom sink
 Other (list here) _____

I have read the above directions and have taken the "First Draw" sample in accordance with these directions. _____

[Signature]
Signature

10/18/23
Date



25

281 N Main Street
Wasilla, AK 99654
907-373-6130

How to Take a Lead and Copper "First Draw"

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- Note the "First Draw was taken" Time/Date**, and additional information below and return with your sample bottle.

TO BE COMPLETED BY THE SAMPLER - PLEASE PRINT

First Name Caitlin Last Name Bourdukofsky

Please enter the time and date for the following actions:

Water was turned off at 1940 AM/ PM on 10/16/23

"First Draw" was taken at 0812 AM/ PM on 10/17/23

Water sat unused for 12 hours 12:32

WATER MUST BE OFF FOR AT LEAST 6 HOURS OR ALASKA WATER LABORATORIES LLC. CANNOT ACCEPT THE SAMPLE.

Sample was taken from the Kitchen sink Bathroom sink
 Other (list here) _____

I have read the above directions and have taken the "First Draw" sample in accordance with these directions. _____

Caitlin B
Signature

10/17/23
Date