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February 9, 2024

Jeremie Kahler  
Park Hill School District  
9501 N. Seymour Ave,  
Kansas City, MO 64153

**RE: Drinking Water Sampling – Clothes Closet**  
8009 N Atkins Place, Kansas City, MO 64152  
**Project Number: 923386**

Mr. Kahler,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Clothes Closet in Kansas City, Missouri. The sampling was requested and approved by Mr. Jeremie Kahler of Park Hill School District (PHSD). OCCU-TEC completed drinking water sampling of all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. Drinking water sampling was completed in accordance with the requirements set forth in Missouri Senate Bill #681/662 known as the “Get the Lead Out of School Drinking Water Act”.

## **METHODOLOGY**

On 1/15/2024 Mr. Justin Arnold of OCCU-TEC completed testing of eleven (11) sources throughout Clothes Closet. Samples were collected as ‘First Draw’ samples after the fixtures had remained unused for a minimum period of eight (8) hours while not exceeding a maximum period of eighteen (18) hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

Samples were shipped to Pace Analytical Services, LLC (Pace) of Peoria, Illinois for analysis using Environmental Protection Agency (EPA) method 200.8. Pace is approved for sample analysis by the Missouri Department of Natural Resources (MDNR) under certification numbers 00236 and 00870. A copy of the laboratory analytical results and Chain of Custody documentation are attached to this report.

## RESULTS

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, two (2) of the eleven (11) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead.

Sample ID	Location	Type	Result (ug/L)
386-CC-06	Laundry Room	Sink	21.2
386-CC-11	2 <sup>nd</sup> Floor Primary Bath	Sink	5.45

## LIMITATIONS

At the request of PHSD, Lab sinks, janitorial sinks, eyewash stations, showers, and exterior spigots not identified as drinking water were excluded from sampling. In addition to the excluded sources, the following table identifies sources which were not operational at the time of sampling and therefore not sampled. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water or sampled and compared to the regulatory limit of 5 ppb prior to bringing back into service.

Sample ID	Location	Type
All Identified Sources Were Operational		

## RECOMMENDATIONS

The following recommendations are in accordance with Senate Bill 681/662:

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

Within two weeks after receiving test results, the school shall make all testing results and any lead remediation plans available on the school's website. The school shall notify parents and staff via written notification within seven (7) business days after receiving test results exceeding 5 ppb. The notification shall include the following:

- Test results and a summary explaining the results.
- A description of any remedial steps taken.
- A description of the general health effects of lead contamination and community specific resources.
- Provide bottled water if there is not enough water to meet the drinking water needs of the students, teachers, and staff.

For fixtures exhibiting results above 5 ppb, follow up random “Flush” sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

### **SIGNATURE(S)**

OCCU-TEC appreciates the opportunity to provide the above referenced consulting services to PHSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Jay W. Hurst  
Vice President of Operations



Jeff Smith  
Senior Project Manager (QA/QC)


### **ATTACHMENTS**

Outlet Inventory with Analytical Results Summary  
Laboratory Analytical Results and COC Documentation


Drinking Water Assessment

Clothes Closet

Park Hill School District

ID:	386-CC-01	Location:	Kitchen		
Photo:		Manufacturer:	Moen		
		Description:			
		Kitchen Sink			
		Result:	4.21	ppb	
		Date Sampled:	1/15/2024	By:	JEA
Recommended Action:					


ID:	386-CC-02	Location:	Kitchen		
Photo:		Manufacturer:	Moen		
		Description:			
		Kitchen Sink Sprayer			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	JEA
Recommended Action:					


ID:	386-CC-03	Location:	Hall 1/2 Bath		
Photo:		Manufacturer:	Valley		
		Description:			
		Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	JEA
Recommended Action:					


Drinking Water Assessment

Clothes Closet

Park Hill School District

ID:	386-CC-04	Location:	Master Bathroom	
Photo:		Manufacturer:		
		Description:		
		Main Floor Master Bath Left Side		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: JEA
Recommended Action:				


ID:	386-CC-05	Location:	Master Bathroom	
Photo:		Manufacturer:		
		Description:		
		Main Floor Master Bath right Side		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: JEA
Recommended Action:				


ID:	386-CC-06	Location:	Laundry Room Sink	
Photo:		Manufacturer:	Fiat	
		Description:		
		Handwashing Sink		
		Result:	21.2	ppb
		Date Sampled:	1/15/2024	By: JEA
Recommended Action:		Label as Non-Drinking Water		


Drinking Water Assessment

Clothes Closet

Park Hill School District

ID:	386-CC-07	Location:	Girls Clothes RR		
Photo:		Manufacturer:	Eljer		
		Description:			
		Handwashing Sink			
		Result:	2.28	ppb	
Date Sampled:		1/15/2024	By:	JEA	
Recommended Action:					


ID:	386-CC-08	Location:	2nd Floor Hall Bath		
Photo:		Manufacturer:	Valley		
		Description:			
		Handwashing Sink Left Side			
		Result:	<1.0	ppb	
Date Sampled:		1/15/2024	By:	JEA	
Recommended Action:					


ID:	386-CC-09	Location:			
Photo:		Manufacturer:	Valley		
		Description:			
		Handwashing Sink right Side			
		Result:	<1.0	ppb	
Date Sampled:		1/15/2024	By:	JEA	
Recommended Action:					

Drinking Water Assessment

Clothes Closet

Park Hill School District

ID:	386-CC-10	Location:	2nd Floor Master Bath		
Photo:		Manufacturer:	Valley		
		Description:			
		Handwashing Sink Left Side			
		Result:	<1.0	ppb	
Date Sampled:		1/15/2024	By:	JEA	
Recommended Action:					

ID:	386-CC-11	Location:	2nd Floor Primary Bath		
Photo:		Manufacturer:	Valley		
		Description:			
		Handwashing Sink right Side			
		Result:	5.45	ppb	
Date Sampled:		1/15/2024	By:	JEA	
Recommended Action:		Label as Non-Drinking Water			





Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

February 02, 2024

Jeremie Kahler  
Park Hill School District  
9501 N. Seymour Ave  
MO, MO 64153

RE: 923386 CLOTHES CLOSET

Dear Jeremie Kahler:

Please find enclosed the analytical results for the **11** sample(s) the laboratory received on **1/18/24 10:45 am** and logged in under work order **HA02769**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or [lisa.grant@pacelabs.com](mailto:lisa.grant@pacelabs.com).

A handwritten signature in black ink, appearing to read 'Chenise Lambert-Sykes'.

Chenise Lambert-Sykes  
Project Manager  
(314)432-0550  
[Chenise.Lambert-Sykes@pacelabs.com](mailto:Chenise.Lambert-Sykes@pacelabs.com)



**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

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Work Order      HA02769

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YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



## ANALYTICAL RESULTS

**Sample:** HA02769-01  
**Name:** 386-CC-01  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:07  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	4.21	ug/L		01/31/24 10:20	1	1.00	01/31/24 16:52	BRS	EPA 200.8 REV 5.4
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**Sample:** HA02769-02  
**Name:** 386-CC-02  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:08  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 16:54	BRS	EPA 200.8 REV 5.4
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**Sample:** HA02769-03  
**Name:** 386-CC-03  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:09  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 16:55	BRS	EPA 200.8 REV 5.4
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**Sample:** HA02769-04  
**Name:** 386-CC-04  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:10  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:02	BRS	EPA 200.8 REV 5.4
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## ANALYTICAL RESULTS

Sample: HA02769-05  
Name: 386-CC-05  
Alias: CLOTHES CLOSET

Sampled: 01/15/24 08:10  
Received: 01/18/24 10:45  
Matrix: Drinking Water - Regular Sample  
PO #: PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:03	BRS	EPA 200.8 REV 5.4
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Sample: HA02769-06  
Name: 386-CC-06  
Alias: CLOTHES CLOSET

Sampled: 01/15/24 08:11  
Received: 01/18/24 10:45  
Matrix: Drinking Water - Regular Sample  
PO #: PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	21.2	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:05	BRS	EPA 200.8 REV 5.4
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Sample: HA02769-07  
Name: 386-CC-07  
Alias: CLOTHES CLOSET

Sampled: 01/15/24 08:12  
Received: 01/18/24 10:45  
Matrix: Drinking Water - Regular Sample  
PO #: PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	2.28	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:06	BRS	EPA 200.8 REV 5.4
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Sample: HA02769-08  
Name: 386-CC-08  
Alias: CLOTHES CLOSET

Sampled: 01/15/24 08:13  
Received: 01/18/24 10:45  
Matrix: Drinking Water - Regular Sample  
PO #: PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:08	BRS	EPA 200.8 REV 5.4
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## ANALYTICAL RESULTS

**Sample:** HA02769-09  
**Name:** 386-CC-09  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:13  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:09	BRS	EPA 200.8 REV 5.4
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**Sample:** HA02769-10  
**Name:** 386-CC-10  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:15  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	< 1.00	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:10	BRS	EPA 200.8 REV 5.4
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**Sample:** HA02769-11  
**Name:** 386-CC-11  
**Alias:** CLOTHES CLOSET

**Sampled:** 01/15/24 08:15  
**Received:** 01/18/24 10:45  
**Matrix:** Drinking Water - Regular Sample  
**PO #:** PHSD2324

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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Total Metals - PIA

Lead	5.45	ug/L		01/31/24 10:20	1	1.00	01/31/24 17:12	BRS	EPA 200.8 REV 5.4
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## NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

\* Not a TNI accredited analyte

### Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



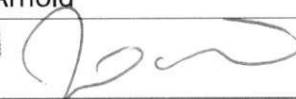
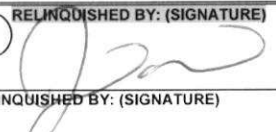
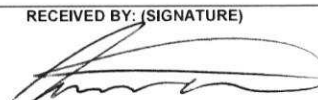
Certified by: Chenise Lambert-Sykes, Project Manager

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

## CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED MO

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1 CLIENT</b> Park Hill School District		<b>PROJECT NUMBER</b> 923386		<b>PROJECT LOCATION</b> Clothes Closet		<b>PURCHASE ORDER #</b> PHSD2324		<b>3 ANALYSIS REQUESTED</b>		<b>4 (FOR LAB USE ONLY)</b> LOGIN # <u>HA02769</u> LOGGED BY: <u>JDS</u> CLIENT: <u>Park Hill School District</u> PROJECT: <u>Drinking Water Lead</u> PROJ. MGR.: <u>Chenise Lambert-Sykes</u> CUSTODY SEAL #: _____	
<b>ADDRESS</b> 9501 N. Seymour Ave.		<b>PHONE NUMBER</b> 8163596731		<b>E-MAIL</b> KahlerJ@parkhill.k12.mo.us		<b>DATE SHIPPED</b> 1/15/2024		<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DW Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Turb Check</div> </div>		<b>REMARKS</b>	
<b>CITY STATE ZIP</b> Kansas City, MO 64153		<b>SAMPLER (PLEASE PRINT)</b> Justin Arnold		<b>SAMPLER'S SIGNATURE</b> 		<b>MATRIX TYPES:</b> WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE NAS-NON AQUEOUS SOLID LCHT-LEACHATE OIL-OIL SO-SOIL SOL-SOLID					
<b>CONTACT PERSON</b> Jeremie Kahler											
<b>2 SAMPLE DESCRIPTION</b> (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		<b>DATE COLLECTED</b>	<b>TIME COLLECTED</b>	<b>SAMPLE TYPE</b> GRAB COMP	<b>MATRIX TYPE</b>	<b>BOTTLE COUNT</b>	<b>PRES CODE</b> CLIENT PROVIDED				
386-CC-01		1/15/2024	807	X	DW	1	6	X			
386-CC-02		1/15/2024	808	X	DW	1	6	X			
386-CC-03		1/15/2024	809	X	DW	1	6	X			
386-CC-04		1/15/2024	810	X	DW	1	6	X			
386-CC-05		1/15/2024	810	X	DW	1	6	X			
386-CC-06		1/15/2024	811	X	DW	1	6	X			
386-CC-07		1/15/2024	812	X	DW	1	6	X			
386-CC-08		1/15/2024	813	X	DW	1	6	X			
386-CC-09		1/15/2024	813	X	DW	1	6	X			
386-CC-10		1/15/2024	815	X	DW	1	6	X			
386-CC-11		1/15/2024	815	X	Dw	1	6	X			
<b>CHEMICAL PRESERVATION CODES:</b>		1 - HCL	2 - H2SO4	3 - HNO3	4 - NAOH	5 - NA2S2O3	6 - UNPRESERVED	7 - OTHER			
<b>5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE)</b> (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		<b>DATE RESULTS NEEDED</b>		<b>6</b> I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____							
<b>7 RELINQUISHED BY: (SIGNATURE)</b> 		<b>DATE</b> 1/15/24	<b>RECEIVED BY: (SIGNATURE)</b>		<b>DATE</b>		<b>8 COMMENTS: (FOR LAB USE ONLY)</b>				
<b>RELINQUISHED BY: (SIGNATURE)</b>		<b>TIME</b>	<b>RECEIVED BY: (SIGNATURE)</b>		<b>TIME</b>		<b>SAMPLE TEMPERATURE UPON RECEIPT</b> <u>3.0</u> °C				
<b>RELINQUISHED BY: (SIGNATURE)</b>		<b>DATE</b>	<b>RECEIVED BY: (SIGNATURE)</b> 		<b>DATE</b> 1/18/24		<b>CHILL PROCESS STARTED PRIOR TO RECEIPT</b> Y OR N <b>SAMPLE(S) RECEIVED ON ICE</b> Y OR N <b>SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED</b>				
<b>RELINQUISHED BY: (SIGNATURE)</b>		<b>TIME</b>			<b>TIME</b> 1045		<b>DATE AND TIME TAKEN FROM SAMPLE BOTTLE</b>				