

---

February 16, 2024

Chris Clapp  
Kingston K-14 School District  
10047 Diamond Road  
Cadet, MO 63630

**RE: Drinking Water Sampling – Kingston K-14 School District**  
10047 Diamond Road, Cadet, MO 63630  
**Project Number: 923334**

Mr. Clapp.

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Kingston K-14 School District in Cadet, Missouri. The sampling was requested and approved by Mr. Chris Clapp of Kingston K-14 School District (KSD). 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 January 15<sup>th</sup>, 2024, Mr. Nathaniel Jones of OCCU-TEC completed testing of seventy-seven (77) sources throughout Kingston K-14 school district. Samples were collected as ‘First Draw’ samples after the fixtures had remained unused for a minimum period of 8 hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers. Sample location information and photographic documentation are noted in the attached table.

Samples were shipped to Teklab, Inc. (Teklab) of Collinsville, Illinois for analysis using EPA method 200.8. Teklab is approved for sample analysis by the Missouri Department of Natural Resources (MDNR) under certification number 00930. 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, nine (9) of the seventy-seven (77) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. Additionally, some samples were not functional at the time of sampling. Non-functional sources are included in the list below and should be sampled prior to returning to service.

Sample ID	Location	Type	Result (ug/L)
334-KSD-03	Empty Classroom	Sink	5.6
334-KSD-07	Title 1 Room 325	Sink	5.5
334-KSD-14	Classroom 300	Sink	9.1
334-KSD-18	301 FACS	Sink	9.7
334-KSD-19	301 FACS	Sink	6.4
334-KSD-20	301 FACS	Sink	14.7
334-KSD-21	301 FACS	Sink	9.1
334-KSD-23	High School Office	Drinking Fountain Bubbler	N/A
334-KSD-29	Arts Hallway	Drinking Fountain Bubbler	N/A
334-KSD-39	Kitchen Dish Room	Handwashing Sink	8
334-KSD-50	Kitchen	Ice machine	N/A
334-KSD-78	Daycare	Sink	47.3

## LIMITATIONS

At the request of KDS, bathroom sink and janitorial closet sinks were excluded from sampling. 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.

## 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 KSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Brittany Dickmeyer  
Safety Specialist





Kevin Heriford  
Director EH&S Dept. (QA/QC)

#### **ATTACHMENTS**

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


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-01	Location:	Classroom 321	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Classroom Sink		
		Result:	3.4	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-02	Location:	Classroom 320	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Classroom Sink		
		Result:	4.7	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-03	Location:	Empty Classroom	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Classroom Sink		
		Result:	5.6	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-04	Location:	Classroom 322	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Classroom Sink		
		Result:	3.7	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

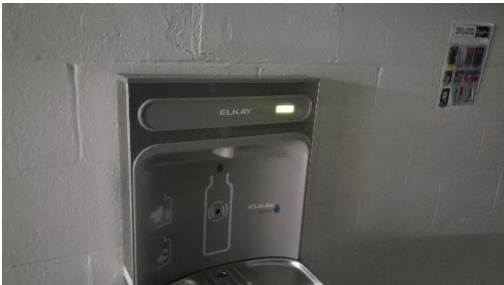
ID:	334-KSD-05	Location:	323 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-06	Location:	323 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-07	Location:	Title 1 Room 325	
Photo:		Manufacturer:	Unknown	
		Description:		
		Classroom Sink		
		Result:	5.5	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		


ID:	334-KSD-08	Location:	325 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-09	Location:	325 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-10	Location:	325 Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bubbler, Right			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


ID:	334-KSD-11	Location:	Central Office Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bottle Filler			
		Result:	3.8	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


ID:	334-KSD-12	Location:	Central Office Hallway		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bubbler, Left			
		Result:	1.7	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					



Drinking Water Assessment  
Kingston School District

ID:	334-KSD-13	Location:	Central Office Hallway	
Photo:		Manufacturer:	Halsey-Taylor	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	4.5	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-14	Location:	Classroom 300	
Photo:		Manufacturer:	Peerless	
		Description:		
		Classroom Sink		
		Result:	9.1	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		


ID:	334-KSD-15	Location:	301 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	2.8	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				




Drinking Water Assessment  
Kingston School District


ID:	334-KSD-16	Location:	301 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	2.7	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-17	Location:	301 Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	1.8	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-18	Location:	301 FACS	
Photo:		Manufacturer:	Unknown	
		Description:		
		East South Wall Station		
		Result:	9.7	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-19	Location:	301 FACS	
Photo:		Manufacturer:	Delta	
		Description:		
		Center South Wall Station		
		Result:	6.4	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		


ID:	334-KSD-20	Location:	301 FACS	
Photo:		Manufacturer:	Delta	
		Description:		
		West Wall Station		
		Result:	14.7	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		

ID:	334-KSD-21	Location:	301 FACS	
Photo:		Manufacturer:	Delta	
		Description:		
		North Station		
		Result:	9.1	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Replace Fixture/Unit and Resample		

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-22	Location:	High School Office	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-23	Location:	High School Office	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left (Non-Functional)		
		Result:	<b>NA</b>	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		<b>Sample prior to returning to service</b>		

ID:	334-KSD-24	Location:	High School Office	
Photo:		Manufacturer:	Unknown	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-25	Location:	High School Office	
Photo:		Manufacturer:	Unknown	
		Description:		
		Kitchenette Sink		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-26	Location:	High School Office	
Photo:		Manufacturer:	Follett	
		Description:		
		Water Cooler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-27	Location:	Arts Hallway	
Photo:		Manufacturer:	Halsey-Taylor	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-28	Location:	Arts Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-29	Location:	Arts Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right (Non-Functional)		
		Result:	NA	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Sample prior to returning to service		

ID:	334-KSD-30	Location:	Nurse's Office	
Photo:		Manufacturer:	Delta	
		Description:		
		Nurse Sink		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-31	Location:	Teacher's Lounge 2F	
Photo:		Manufacturer:	Unknown	
		Description:		
		Kitchenette Sink		
		Result:	1.4	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-32	Location:	2nd Floor Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-33	Location:	2nd Floor Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				




Drinking Water Assessment  
Kingston School District


ID:	334-KSD-34	Location:	2nd Floor Hallway	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-35	Location:	FACS 207	
Photo:		Manufacturer:	Unknown	
		Description:		
		East Wall Station		
		Result:	1.9	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-36	Location:	FACS 207	
Photo:		Manufacturer:	Unknown	
		Description:		
		South Wall Station East		
		Result:	1.1	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-37	Location:	FACS 207	
Photo:		Manufacturer:	Moen	
		Description:		
		South Wall Station West		
		Result:	<1.0	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:				


ID:	334-KSD-38	Location:	FACS 207	
Photo:		Manufacturer:	Delta	
		Description:		
		West Wall Station		
		Result:	1.8	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:				

ID:	334-KSD-39	Location:	Kitchen Dish Room	
Photo:		Manufacturer:	Unknown	
		Description:		
		Hand Washing Sink		
		Result:	8	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:		Replace Fixture/Unit and Resample		


Drinking Water Assessment  
Kingston School District

ID:	334-KSD-40	Location:	Kitchen Dish Room		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Kitchen Dish Sprayer			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


ID:	334-KSD-41	Location:	Kitchen Dish Room		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Kitchen Dish Sprayer with Faucet			
		Result:	1	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-42	Location:	Kitchen Dish Room		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Faucet with Dish Sprayer & Disposal			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-43	Location:	Kitchen Dish Room	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Dish Station, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-44	Location:	Kitchen Dish Room	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Dish Station, Right		
		Result:	1.6	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-45	Location:	Kitchen Dish Room	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Kitchen Dish Sprayer Floor Hose		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-46	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Hand Washing Sink		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-47	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Prep Sink		
		Result:	2.2	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-48	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Kitchen Dish Sprayer with Faucet		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				



Drinking Water Assessment  
Kingston School District


ID:	334-KSD-49	Location:	Kitchen	
Photo:		Manufacturer:	T&S Brass	
		Description:		
		Sink Faucet with Dish Sprayer		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-50	Location:	Kitchen	
Photo:		Manufacturer:	Ice-O-Matic	
		Description:		
		Ice Machine (Non-Functional)		
		Result:	N/A	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:		Sample prior to returning to service		


ID:	334-KSD-51	Location:	Elementary West Cross	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				




Drinking Water Assessment  
Kingston School District


ID:	334-KSD-52	Location:	Elementary West Cross	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:				

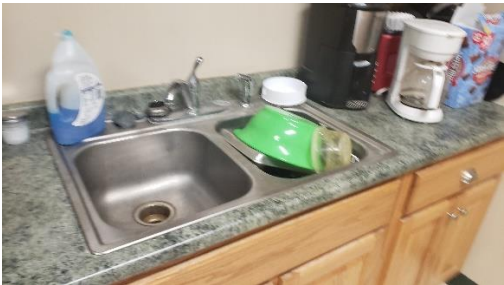
ID:	334-KSD-53	Location:	Elementary West Cross	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	<1.0	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:				

ID:	334-KSD-54	Location:	Elementary East Cross	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
Date Sampled:		1/15/2024	By:	NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-55	Location:	Elementary East Cross		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bottle Filler			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


ID:	334-KSD-56	Location:	Elementary East Cross		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bubbler, Right			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-57	Location:	Elementary Office		
Photo:		Manufacturer:	Delta		
		Description:			
		Kitchenette Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-58	Location:	Elementary Office	
Photo:		Manufacturer:	Follett	
		Description:		
		Water Cooler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-59	Location:	Classroom 408	
Photo:		Manufacturer:	American Standard	
		Description:		
		Classroom Sink		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-60	Location:	Elementary 400 Hall	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-61	Location:	Elementary 400 Hall	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-62	Location:	Elementary 400 Hall	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-63	Location:	500 West Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-64	Location:	500 West Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				


ID:	334-KSD-65	Location:	500 East Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Left		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

ID:	334-KSD-66	Location:	500 East Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler, Right		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

Drinking Water Assessment  
Kingston School District


ID:	334-KSD-67	Location:	Nurse 808	
Photo:		Manufacturer:	Central	
		Description:		
		Nurse Sink		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

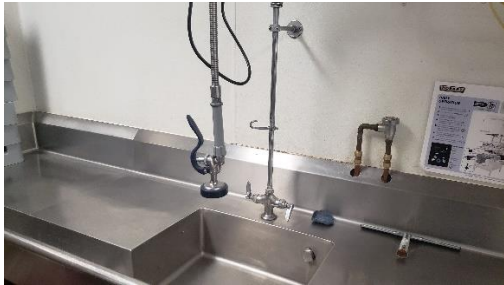
ID:	334-KSD-68	Location:	Gym Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bottle Filler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				

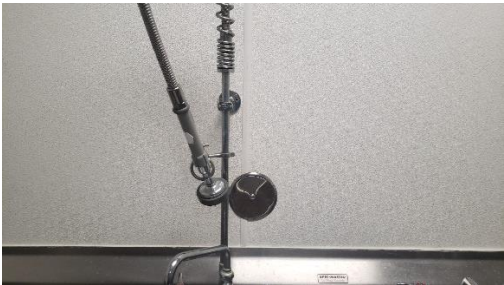
ID:	334-KSD-69	Location:	Gym Restrooms	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
		Date Sampled:	1/15/2024	By: NJ
Recommended Action:				




Drinking Water Assessment  
Kingston School District


ID:	334-KSD-70	Location:	Kitchen		
Photo:		Manufacturer:	Peerless		
		Description:			
		Hand Washing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-71	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Kitchen Dish Sprayer			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-72	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Dish Sprayer with Faucet			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-73	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Dish Station, Left			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-74	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Dish Station, Right			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-75	Location:	Kitchen		
Photo:		Manufacturer:	Unknown		
		Description:			
		Hand Washing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					


Drinking Water Assessment  
Kingston School District


ID:	334-KSD-76	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Kitchen Dish Sprayer with Prep Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-77	Location:	Kitchen		
Photo:		Manufacturer:	T&S Brass		
		Description:			
		Prep Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-78	Location:	Daycare		
Photo:		Manufacturer:	Delta		
		Description:			
		Play Room Sink			
		Result:	47.3	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:		Replace Fixture/Unit and Resample			

Drinking Water Assessment  
Kingston School District

ID:	334-KSD-79	Location:	Daycare		
Photo:		Manufacturer:	Delta		
		Description:			
		Kitchen Hand Washing Sink			
		Result:	1.9	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

ID:	334-KSD-80	Location:	Daycare		
Photo:		Manufacturer:	Unknown		
		Description:			
		Kitchen Sink			
		Result:	<1.0	ppb	
		Date Sampled:	1/15/2024	By:	NJ
Recommended Action:					

February 08, 2024

Justin Arnold  
Occu-Tec  
2604 NE Industrial Drive  
Suite 230  
North Kansas, MO 64117  
TEL: (816) 810-3276  
FAX:



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

**RE:** 923334 KSD

**WorkOrder:** 24011237

Dear Justin Arnold:

TEKLAB, INC received 55 samples on 1/19/2024 1:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Patrick Riley  
Project Manager  
(618)344-1004 ex 44  
[patrickriley@teklabinc.com](mailto:patrickriley@teklabinc.com)

**Client:** Occu-Tec

**Work Order:** 24011237

**Client Project:** 923334 KSD

**Report Date:** 08-Feb-24

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	9
Chain of Custody	Appended



**Client:** Occu-Tec

**Work Order:** 24011237

**Client Project:** 923334 KSD

**Report Date:** 08-Feb-24

### Abbr Definition

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count ( > 200 CFU )

**Client:** Occu-Tec

**Work Order:** 24011237

**Client Project:** 923334 KSD

**Report Date:** 08-Feb-24

### Qualifiers

- |   |  |
|---|--|
| # - Unknown hydrocarbon                               | B - Analyte detected in associated Method Blank              |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range                           |
| H - Holding times exceeded                            | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits        | M - Manual Integration used to determine area response       |
| ND - Not Detected at the Reporting Limit              | R - RPD outside accepted recovery limits                     |
| S - Spike Recovery outside recovery limits            | T - TIC(Tentatively identified compound)                     |
| X - Value exceeds Maximum Contaminant Level           |  |



## Case Narrative

<http://www.teklabinc.com/>

**Client:** Occu-Tec

**Work Order:** 24011237

**Client Project:** 923334 KSD

**Report Date:** 08-Feb-24

**Cooler Receipt Temp:** N/A °C

### Locations

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com

**Client:** Occu-Tec**Work Order:** 24011237**Client Project:** 923334 KSD**Report Date:** 08-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



## Laboratory Results

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 24011237

Client Project: 923334 KSD

Report Date: 08-Feb-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>									
<b>Lead</b>									
24011237-001A	334-KSD-01	NELAP		1.0	3.4	µg/L	1	02/07/2024 10:42	01/15/2024 0:00
24011237-002A	334-KSD-02	NELAP		1.0	4.7	µg/L	1	02/07/2024 8:50	01/15/2024 0:00
24011237-003A	334-KSD-03	NELAP		1.0	5.6	µg/L	1	02/07/2024 10:57	01/15/2024 0:00
24011237-004A	334-KSD-04	NELAP		1.0	3.7	µg/L	1	02/07/2024 11:01	01/15/2024 0:00
24011237-005A	334-KSD-05	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 9:08	01/15/2024 0:00
24011237-006A	334-KSD-06	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:15	01/15/2024 0:00
24011237-007A	334-KSD-07	NELAP		1.0	5.5	µg/L	1	02/07/2024 12:32	01/15/2024 0:00
24011237-008A	334-KSD-08	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 12:36	01/15/2024 0:00
24011237-009A	334-KSD-09	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 12:40	01/15/2024 0:00
24011237-010A	334-KSD-10	NELAP		1.0	< 1.0	µg/L	1	02/08/2024 12:19	01/15/2024 0:00
24011237-011A	334-KSD-11	NELAP		1.0	3.8	µg/L	1	02/07/2024 13:05	01/15/2024 0:00
24011237-012A	334-KSD-12	NELAP		1.0	1.7	µg/L	1	02/07/2024 13:09	01/15/2024 0:00
24011237-013A	334-KSD-13	NELAP		1.0	4.5	µg/L	1	02/07/2024 13:13	01/15/2024 0:00
24011237-014A	334-KSD-14	NELAP		1.0	9.1	µg/L	1	02/07/2024 13:16	01/15/2024 0:00
24011237-015A	334-KSD-15	NELAP		1.0	2.8	µg/L	1	02/07/2024 13:20	01/15/2024 0:00
24011237-016A	334-KSD-16	NELAP		1.0	2.7	µg/L	1	02/07/2024 13:24	01/15/2024 0:00
24011237-017A	334-KSD-17	NELAP		1.0	1.8	µg/L	1	02/07/2024 13:27	01/15/2024 0:00
24011237-018A	334-KSD-18	NELAP		1.0	9.7	µg/L	1	02/07/2024 13:31	01/15/2024 0:00
24011237-019A	334-KSD-19	NELAP		1.0	6.4	µg/L	1	02/07/2024 13:35	01/15/2024 0:00
24011237-020A	334-KSD-20	NELAP		1.0	14.7	µg/L	1	02/07/2024 13:38	01/15/2024 0:00
24011237-021A	334-KSD-21	NELAP		1.0	9.1	µg/L	1	02/07/2024 14:00	01/15/2024 0:00
24011237-022A	334-KSD-22	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:04	01/15/2024 0:00
24011237-023A	334-KSD-24	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:08	01/15/2024 0:00
24011237-024A	334-KSD-25	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:11	01/15/2024 0:00
24011237-025A	334-KSD-26	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:15	01/15/2024 0:00
24011237-026A	334-KSD-27	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:19	01/15/2024 0:00
24011237-027A	334-KSD-28	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:22	01/15/2024 0:00
24011237-028A	334-KSD-30	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:26	01/15/2024 0:00
24011237-029A	334-KSD-31	NELAP		1.0	1.4	µg/L	1	02/07/2024 14:41	01/15/2024 0:00
24011237-030A	334-KSD-32	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:52	01/15/2024 0:00
24011237-031A	334-KSD-33	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:55	01/15/2024 0:00
24011237-032A	334-KSD-34	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 14:59	01/15/2024 0:00
24011237-033A	334-KSD-35	NELAP		1.0	1.9	µg/L	1	02/07/2024 15:03	01/15/2024 0:00
24011237-034A	334-KSD-36	NELAP		1.0	1.1	µg/L	1	02/07/2024 15:06	01/15/2024 0:00
24011237-035A	334-KSD-37	NELAP		1.0	1.8	µg/L	1	02/07/2024 15:10	01/15/2024 0:00
24011237-036A	334-KSD-38	NELAP		1.0	1.6	µg/L	1	02/07/2024 15:14	01/15/2024 0:00
24011237-037A	334-KSD-39	NELAP		1.0	8.0	µg/L	1	02/07/2024 15:29	01/15/2024 0:00
24011237-038A	334-KSD-40	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 15:32	01/15/2024 0:00
24011237-039A	334-KSD-41	NELAP		1.0	1.0	µg/L	1	02/07/2024 15:36	01/15/2024 0:00
24011237-040A	334-KSD-42	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 15:40	01/15/2024 0:00
24011237-041A	334-KSD-43	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 15:43	01/15/2024 0:00
24011237-042A	334-KSD-44	NELAP		1.0	1.6	µg/L	1	02/07/2024 15:54	01/15/2024 0:00
24011237-043A	334-KSD-45	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 15:58	01/15/2024 0:00
24011237-044A	334-KSD-46	NELAP		1.0	< 1.0	µg/L	5	02/08/2024 11:23	01/15/2024 0:00
24011237-045A	334-KSD-47	NELAP		1.0	2.2	µg/L	1	02/07/2024 16:01	01/15/2024 0:00
24011237-046A	334-KSD-48	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:30	01/15/2024 0:00
24011237-047A	334-KSD-49	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:34	01/15/2024 0:00
24011237-048A	334-KSD-50	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:37	01/15/2024 0:00



## Laboratory Results

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 24011237

Client Project: 923334 KSD

Report Date: 08-Feb-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24011237-049A	334-KSD-51	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:41	01/15/2024 0:00
24011237-050A	334-KSD-52	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:45	01/15/2024 0:00
24011237-051A	334-KSD-54	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:49	01/15/2024 0:00
24011237-052A	334-KSD-55	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:52	01/15/2024 0:00
24011237-053A	334-KSD-56	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 11:56	01/15/2024 0:00
24011237-054A	334-KSD-57	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 5:41	01/15/2024 0:00
24011237-055A	334-KSD-58	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 5:45	01/15/2024 0:00





## Receiving Check List

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 24011237

Client Project: 923334 KSD

Report Date: 08-Feb-24

Carrier: Crossroads

Received By: AMD

Completed by:

On:

19-Jan-24

Amber Dilallo

Reviewed by:

On:

19-Jan-24

Ellie Hopkins

Pages to follow:

Chain of custody

5

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C N/A

Type of thermal preservation?

None ☒

Ice ☐

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 1/19/2024 1:26:53 PM



TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

[illegible]

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions

Pg 3 of 7 Workorder # 24011237

[illegible]

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions

Pg 4 of 7 Workorder # 24011237

Client: OCCU-TEC  
Address: 2604 NE Industrial Dr  
City/State/Zip: North Kansas City, Missouri 64117  
Contact: Justin Arnold Phone: 816-810-3276  
Email: jarnold@occutec.com Fax: \_\_\_\_\_

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE °C

Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY

**LAB NOTES:**

**Client Comments:**

Pb RL<5.0ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply: ☐ Yes ☐ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: ☒ Yes ☐ No

PROJECT NAME/NUMBER

~~923361~~ 923334

SAMPLE COLLECTOR'S NAME

N. Jones

### RESULTS REQUESTED

Standard

☐ 1-2 Day (100% Surcharge)☐ Other☐ 3 Day (50% Surcharge)

## BILLING INSTRUCTIONS

### # and Type of Containers

INDICATE ANALYSIS REQUESTED

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	1/16/24 11:00	<i>[Signature]</i>	1/17/24 1222
<i>[Signature]</i>	1/18/24 1600	<i>[Signature]</i> XX	1/19/24 1800

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

[illegible]

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions



February 12, 2024

Kevin Heriford  
Occu-Tec  
2604 NE Industrial Drive  
Suite 230  
North Kansas, MO 64117  
TEL: (816) 231-5580  
FAX:



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

**RE:** 923334 KSD

**WorkOrder:** 24011238

Dear Kevin Heriford:

TEKLAB, INC received 22 samples on 1/19/2024 1:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Patrick Riley  
Project Manager  
(618)344-1004 ex 44  
[patrickriley@teklabinc.com](mailto:patrickriley@teklabinc.com)

**Client:** Occu-Tec

**Work Order:** 24011238

**Client Project:** 923334 KSD

**Report Date:** 12-Feb-24

**This reporting package includes the following:**

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Receiving Check List	8
Chain of Custody	Appended

**Client:** Occu-Tec**Work Order:** 24011238**Client Project:** 923334 KSD**Report Date:** 12-Feb-24**Abbr Definition**

\* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count ( > 200 CFU )

**Client:** Occu-Tec

**Work Order:** 24011238

**Client Project:** 923334 KSD

**Report Date:** 12-Feb-24

### Qualifiers

- |   |  |
|---|--|
| # - Unknown hydrocarbon                               | B - Analyte detected in associated Method Blank              |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range                           |
| H - Holding times exceeded                            | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits        | M - Manual Integration used to determine area response       |
| ND - Not Detected at the Reporting Limit              | R - RPD outside accepted recovery limits                     |
| S - Spike Recovery outside recovery limits            | T - TIC(Tentatively identified compound)                     |
| X - Value exceeds Maximum Contaminant Level           |  |



## Case Narrative

<http://www.teklabinc.com/>

**Client:** Occu-Tec

**Work Order:** 24011238

**Client Project:** 923334 KSD

**Report Date:** 12-Feb-24

**Cooler Receipt Temp:** N/A °C

### Locations

#### Collinsville

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** jhriley@teklabinc.com

#### Collinsville Air

**Address** 5445 Horseshoe Lake Road  
Collinsville, IL 62234-7425  
**Phone** (618) 344-1004  
**Fax** (618) 344-1005  
**Email** EHurley@teklabinc.com

#### Springfield

**Address** 3920 Pintail Dr  
Springfield, IL 62711-9415  
**Phone** (217) 698-1004  
**Fax** (217) 698-1005  
**Email** KKlostermann@teklabinc.com

#### Chicago

**Address** 1319 Butterfield Rd.  
Downers Grove, IL 60515  
**Phone** (630) 324-6855  
**Fax**  
**Email** arenner@teklabinc.com

#### Kansas City

**Address** 8421 Nieman Road  
Lenexa, KS 66214  
**Phone** (913) 541-1998  
**Fax** (913) 541-1998  
**Email** jhriley@teklabinc.com

**Client:** Occu-Tec**Work Order:** 24011238**Client Project:** 923334 KSD**Report Date:** 12-Feb-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2024	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville





## Laboratory Results

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 24011238

Client Project: 923334 KSD

Report Date: 12-Feb-24

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
24011238-001A	334-KSD-59	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 5:49	01/15/2024 0:00
24011238-002A	334-KSD-60	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 5:54	01/15/2024 0:00
24011238-003A	334-KSD-61	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 5:58	01/15/2024 0:00
24011238-004A	334-KSD-62	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:11	01/15/2024 0:00
24011238-005A	334-KSD-63	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:02	01/15/2024 0:00
24011238-006A	334-KSD-64	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:07	01/15/2024 0:00
24011238-007A	334-KSD-65	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:37	01/15/2024 0:00
24011238-008A	334-KSD-66	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 16:16	01/15/2024 0:00
24011238-009A	334-KSD-67	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:41	01/15/2024 0:00
24011238-010A	334-KSD-68	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:46	01/15/2024 0:00
24011238-011A	334-KSD-69	NELAP		1.0	< 1.0	µg/L	1	02/07/2024 16:27	01/15/2024 0:00
24011238-012A	334-KSD-70	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:54	01/15/2024 0:00
24011238-013A	334-KSD-71	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 6:59	01/15/2024 0:00
24011238-014A	334-KSD-72	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:03	01/15/2024 0:00
24011238-015A	334-KSD-73	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:33	01/15/2024 0:00
24011238-016A	334-KSD-74	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:38	01/15/2024 0:00
24011238-017A	334-KSD-75	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:42	01/15/2024 0:00
24011238-018A	334-KSD-76	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:46	01/15/2024 0:00
24011238-019A	334-KSD-77	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:51	01/15/2024 0:00
24011238-020A	334-KSD-78	NELAP		1.0	47.3	µg/L	5	02/09/2024 9:44	01/15/2024 0:00
24011238-021A	334-KSD-79	NELAP		1.0	1.9	µg/L	1	02/03/2024 8:03	01/15/2024 0:00
24011238-022A	334-KSD-80	NELAP		1.0	< 1.0	µg/L	1	02/03/2024 7:55	01/15/2024 0:00



## Receiving Check List

<http://www.teklabinc.com/>

Client: Occu-Tec

Work Order: 24011238

Client Project: 923334 KSD

Report Date: 12-Feb-24

Carrier: Crossroads

Received By: AMD

Completed by:

On:

19-Jan-24

Amber Dilallo

Reviewed by:

On:

19-Jan-24

Ellie Hopkins

Pages to follow:

Chain of custody

2

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C N/A

Type of thermal preservation?

None ☒

Ice ☐

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☒

No ☐

NA ☐

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

Samples were checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 1/19/2024 1:29:02 PM

## CHAIN OF CUSTODY

Pg 6 of 7 Workorder # 24011238

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Client: OCCU-TEC, Inc Address: 2604 NE Industrial Drive, Suite 230 City/State/Zip: North Kansas City, Missouri 64117 Contact: Kevin Heriford Phone: 816-825-0628 Email: kheriford@occutech.com Fax: 816-231-5641				Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input checked="" type="checkbox"/> NO ICE <u>N/A</u> °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u> LAB NOTES: Vol pg 6-7 of 7 Sample ID's & date checked - MP Client Comments: 1/18 EPA 200.8 with MDL <5.0 ug/L			
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
PROJECT NAME/NUMBER 923334		SAMPLE COLLECTOR'S NAME N. Jones		# and Type of Containers		INDICATE ANALYSIS REQUESTED	
RESULTS REQUESTED <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		BILLING INSTRUCTIONS		UNP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other Lead by EPA 200.8			
Lab Use Only	Sample ID	Date/Time Sampled	Matrix				
24011238-001	334-KSD-59	1/15/24	Aqueous DW	X			X
002	334-KSD-60		Aqueous				
003	334-KSD-61		Aqueous				
004	334-KSD-62		Aqueous				
005	334-KSD-63		Aqueous				
006	334-KSD-64		Aqueous				
007	334-KSD-65		Aqueous				
008	334-KSD-66		Aqueous				
009	334-KSD-67		Aqueous				
010	334-KSD-68		Aqueous				
011	334-KSD-69		Aqueous				
Relinquished By		Date/Time		Received By		Date/Time	
[Signature]		1/16/24 1/16/24/600		[Signature]		1/17/24 1222 1/19/24 1300	

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions

## CHAIN OF CUSTODY

Pg 7 of 7 Workorder # 24011238

TEKLAB INC, 5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

<b>Client:</b> OCCU-TEC, Inc.				<b>Samples on:</b>																						
<b>Address:</b> 2604 NE Industrial Drive, Suite 230				<input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C <b>Preserved in:</b> <input type="checkbox"/> LAB <input type="checkbox"/> FIELD         FOR LAB USE ONLY																						
<b>City/State/Zip:</b> North Kansas City, Missouri 64117																										
<b>Contact:</b> Kevin Heriford                  Phone: 816-825-0628				<b>LAB NOTES:</b>																						
<b>Email:</b> kheriford@occutec.com      Fax: 816-231-5641				<b>Client Comments:</b> EPA 200.8 with MDL <5.0 ug/L																						
Are these samples known to be involved in litigation? If yes, a surcharge will apply: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																										
Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																										
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																										
<b>PROJECT NAME/NUMBER</b> <u>923334</u>		<b>SAMPLE COLLECTOR'S NAME</b> <u>N. Jones</u>																								
<b>RESULTS REQUESTED</b> <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		<b>BILLING INSTRUCTIONS</b>																								
Lab Use Only	Sample ID	Date/Time Sampled	Matrix	# and Type of Containers	INDICATE ANALYSIS REQUESTED																					
				UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Lead by EPA 200.8													
O12	334-KSD-70	1/15/24	Aqueous DW	X									X													
O13	334-KSD-71		Aqueous																							
O14	334-KSD-72		Aqueous																							
O15	334-KSD-73		Aqueous																							
O16	334-KSD-74		Aqueous																							
O17	334-KSD-75		Aqueous																							
O18	334-KSD-76		Aqueous																							
O19	334-KSD-77		Aqueous																							
O20	334-KSD-78		Aqueous																							
O21	334-KSD-79		Aqueous																							
O22	334-KSD-80		Aqueous																							
<b>Relinquished By</b>		<b>Date/Time</b>		<b>Received By</b>				<b>Date/Time</b>																		
<u>[Signature]</u>		<u>1/16/24</u> <u>1/18/24 1600</u>		<u>[Signature] XA</u>				<u>1/17/24 1222</u> <u>1/19/24 BOB</u>																		

\*The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See [www.teklabinc.com](http://www.teklabinc.com) for terms and conditions