
May 10, 2024

Mr. Kevin Piel
Fox C-6 School District
745 Jeffco Boulevard
Arnold, MO 63010

RE: Drinking Water Sampling – Antonia Middle School
6798 St. Lukes Church Road, Barnhart, MO 63012
Project Number: 923294

Mr. Kevin Piel

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Antonia Middle School in Barnhart, Missouri. The sampling was requested and approved by Mr. Kevin Piel of Fox School District (FSD). 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 March 27th, 2024, Mr. Jay Hurst & Justin Arnold of OCCU-TEC completed testing of seventy-one (71) sources throughout Antonia Middle School. 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, seven (7) of the seventy-one (71) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead. It should be noted that some sources were non-functional at the time of sampling and are listed below. Non-functional sources should be sampled prior to returning to service.

Sample ID	Location	Type	Result (ug/L)
294-AMS-01	Kitchen Restroom	Handwashing Sink	21
294-AMS-05	Kitchen	Right Sink	20.1
294-AMS-06	Kitchen	Right Dish Sprayer	26.2
294-AMS-07	Kitchen	Prep Table Pot Filler	NA
294-AMS-11	Kitchen Dish Area	Hose Bibb	NA
294-AMS-13	Kitchen Dish Area	Left Sink	10
294-AMS-14	Kitchen Dish Area	Center Sink	7.9
294-AMS-16	Kitchen Dish Area	Handwashing Sink	NA
294-AMS-18	Kitchen Serving Area	Handwashing Sink	NA
294-AMS-36	Room 110	Left Side, Left Sink	NA
294-AMS-37	Room 110	Left Side, Right Sink	NA
294-AMS-67	Room 012	Left Side, Teacher's Island Sink	16.5
294-AMS-69	Room 008	Teacher's Island, Left Side	15.5
294-AMS-72	Nurses Office	No Access	NA

LIMITATIONS

At the request of FSD, custodial 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 FSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,



Kevin Heriford
Director EH&S Dept.



Brittany Dickmeyer
Safety Specialist

ATTACHMENTS

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

Drinking Water Assessment
 Antonia Middle School
 Fox C-6 School District

ID:	294-AMS-01	Location:	Kitchen Restroom		
Photo:		Manufacturer:	Chicago Faucet Co.		
		Description:			
		Handwashing Sink			
		Result:	21	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:		Mark as Non-Potable/Not for drinking water			

ID:	294-AMS-02	Location:	Kitchen		
Photo:		Manufacturer:	Chicago Faucet Co.		
		Description:			
		Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-03	Location:	Kitchen		
Photo:		Manufacturer:	Chicago Faucet Co.		
		Description:			
		Left sink			
		Result:	2.7	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
 Antonia Middle School
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ID:	294-AMS-04	Location:	Kitchen	
Photo:		Manufacturer:	Fisher	
		Description:		
		Left Dish sprayer		
		Result:	2.6	ppb
Recommended Action:		Date Sampled:	3/28/2024	By: JH

ID:	294-AMS-05	Location:	Kitchen	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Right sink		
		Result:	20.1	ppb
Recommended Action:		Date Sampled:	3/28/2024	By: JH

ID:	294-AMS-06	Location:	Kitchen	
Photo:		Manufacturer:	Fisher	
		Description:		
		Right dish sprayer		
		Result:	26.2	ppb
Recommended Action:		Date Sampled:	3/28/2024	By: JH

Drinking Water Assessment
 Antonia Middle School
 Fox C-6 School District

ID:	294-AMS-07	Location:	Kitchen	
Photo:		Manufacturer:	Unknown	
		Description:		
		Prep Table pot filler		
		Lab error.		
		Result:	NA	ppb
Date Sampled:	3/28/2024	By:	JH	
Recommended Action:		Remove from Service/Sample Source		

ID:	294-AMS-08	Location:	Kitchen		
Photo:		Manufacturer:	Unknown		
		Description:			
		Prep table sink			
		Result:	3	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-09	Location:	Kitchen		
Photo:		Manufacturer:	Unknown		
		Description:			
		Skillet Pot filler			
		Result:	2.3	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-10	Location:	Kitchen	
Photo:		Manufacturer:	Elkay	
		Description:		
		Handwashing Sink		
		Result:	4.1	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-11	Location:	Kitchen Dish Area	
Photo:		Manufacturer:	Watts	
		Description:		
		Hose Bib		
		Lab error.		
		Result:	NA	ppb
Date Sampled:	3/28/2024	By: JH		
Recommended Action:		Remove from Service/Sample Source		

ID:	294-AMS-12	Location:	Kitchen Dish Area	
Photo:		Manufacturer:	Unknown	
		Description:		
		Dish Sprayer		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-13	Location:	Kitchen Dish Area		
Photo:		Manufacturer:	Unknown		
		Description:			
		Left Sink			
		Result:	10	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:		Replace Fixture/Unit and Resample			

ID:	294-AMS-14	Location:	Kitchen Dish Area		
Photo:		Manufacturer:	Unknown		
		Description:			
		Center Sink			
		Result:	7.9	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:		Replace Fixture/Unit and Resample			

ID:	294-AMS-15	Location:	Kitchen Dish Area		
Photo:		Manufacturer:	Unknown		
		Description:			
		Right Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-16	Location:	Kitchen Dish Area	
Photo:		Manufacturer:	Eagle	
		Description:		
		Handwashing Sink		
		Lab Error.		
		Result:	NA	ppb
Date Sampled:	3/28/2024	By:	JH	
Recommended Action:		Mark as Non-Potable/Not for drinking water		

ID:	294-AMS-17	Location:	Kitchen Serving Area		
Photo:		Manufacturer:	Unknown		
		Description:			
		Steam table			
		Result:	1.8	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-18	Location:	Kitchen Serving Area	
Photo:		Manufacturer:	Unknown	
		Description:		
		Handwashing Sink		
		Lab error.		
		Result:	NA	ppb
Date Sampled:	3/28/2024	By:	JH	
Recommended Action:		Mark as Non-Potable/Not for drinking water		

Drinking Water Assessment
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ID:	294-AMS-19	Location:	Room 102	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Left Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-20	Location:	Room 102	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Right Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-21	Location:	Room 108	
Photo:		Manufacturer:	Water Saver Faucet Co.	
		Description:		
		Left side, left sink		
		Result:	3.2	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-22	Location:	Room 108	
Photo:		Manufacturer:	Water Saver Faucet Co.	
		Description:		
		Left side, right sink		
		Result:	3.6	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-23	Location:	Room 106	
Photo:		Manufacturer:	Unknown	
		Description:		
		Left Sink		
		Result:	2.1	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-24	Location:	Room 106	
Photo:		Manufacturer:	Unknown	
		Description:		
		Center Sink		
		Result:	2.2	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-25	Location:	Room 106		
Photo:		Manufacturer:	Unknown		
		Description:			
		Right Sink			
		Result:	1.9	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-26	Location:	Hall by Room 106		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bottle Filler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-27	Location:	Girls Restroom by 106		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left handwashing sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-28	Location:	Girls Restroom by 106	
Photo:		Manufacturer:	Bradley	
		Description:		
		Center handwashing sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-29	Location:	Girls Restroom by 106	
Photo:		Manufacturer:	Bradley	
		Description:		
		Right handwashing sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-30	Location:	Hallway by Room 110	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-31	Location:	Hallway by Room 110		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bottle Filler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-32	Location:	Boy's Restroom by 110		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left handwashing sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-33	Location:	Boy's Restroom by 110		
Photo:		Manufacturer:	Bradley		
		Description:			
		Center handwashing sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-34	Location:	Boy's Restroom by 110	
Photo:		Manufacturer:	Bradley	
		Description:		
		Right handwashing sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-35	Location:	Hallway by Room 122	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-36	Location:	Room 110	
Photo:		Manufacturer:	Water Saver Faucet Co.	
		Description:		
		Left side, left sink		
		Lab error.		
		Result:	NA	ppb
Date Sampled:	3/28/2024	By: JH		
Recommended Action:		Mark as Non-Potable/Not for drinking water		

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ID:	294-AMS-37	Location:	Room 110
Photo:		Manufacturer:	Water Saver Faucet Co.
		Description:	
		Left side, right sink	
		Lab error,	
		Result:	NA
Date Sampled:	3/28/2024	By: JH	
Recommended Action:	Mark as Non-Potable/Not for drinking water		

ID:	294-AMS-38	Location:	Faculty Restroom	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Handwashing Sink		
		Result:	2.8	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-39	Location:	Hall by Office	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Handwashing Sink		
		Result:	1.9	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

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ID:	294-AMS-40	Location:	Room 130
Photo:		Manufacturer:	Chicago Faucet Co.
		Description:	
		Handwashing Sink	
		Result:	1.1 ppb
		Date Sampled:	3/28/2024 By: JH
Recommended Action:			

ID:	294-AMS-41	Location:	Teacher's Lounge
Photo:		Manufacturer:	Chicago Faucet Co.
		Description:	
		Handwashing Sink	
		Result:	<1.0 ppb
		Date Sampled:	3/28/2024 By: JH
Recommended Action:			

ID:	294-AMS-42	Location:	Teacher's Lounge RR
Photo:		Manufacturer:	Chicago Faucet Co.
		Description:	
		Handwashing Sink	
		Result:	2.4 ppb
		Date Sampled:	3/28/2024 By: JH
Recommended Action:			

Drinking Water Assessment
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ID:	294-AMS-43	Location:	Office Restroom		
Photo:		Manufacturer:	Chicago Faucet Co.		
		Description:			
		Handwashing Sink			
		Result:	2.6	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-44	Location:	Hallway by Gym		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bubbler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-45	Location:	Hallway by Gym		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bottle Filler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-46	Location:	Boy's Restroom by Gym	
Photo:		Manufacturer:	Bradley	
		Description:		
		Left Handwashing Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-47	Location:	Boy's Restroom by Gym	
Photo:		Manufacturer:	Bradley	
		Description:		
		Middle Handwashing Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-48	Location:	Boy's Restroom by Gym	
Photo:		Manufacturer:	Bradley	
		Description:		
		Right Handwashing Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-49	Location:	Girl's Restroom by Gym		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-50	Location:	Girls' Restroom by Gym		
Photo:		Manufacturer:	Bradley		
		Description:			
		Middle Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-51	Location:	Girls' Restroom by Gym		
Photo:		Manufacturer:	Bradley		
		Description:			
		Right Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-52	Location:	Gym between Locker RM		
Photo:		Manufacturer:	Elkay		
		Description:			
		Left Drinking Fountain Bubbler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-53	Location:	Gym between Locker RM		
Photo:		Manufacturer:	Elkay		
		Description:			
		Right Drinking Fountain Bubbler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-54	Location:	Boy's Locker Room		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left Handwashing Sink			
		Result:	1.6	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

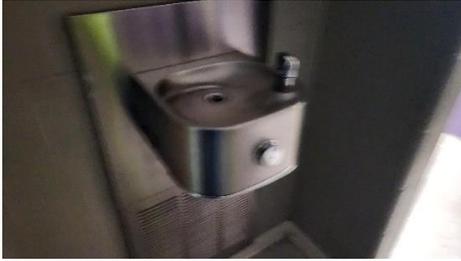
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ID:	294-AMS-55	Location:	Boy's Locker Room		
Photo:		Manufacturer:	Bradley		
		Description:			
		Right Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-56	Location:	Girl's Locker Room		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left Handwashing Sink			
		Result:	1	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-57	Location:	Girl's Locker Room		
Photo:		Manufacturer:	Bradley		
		Description:			
		Right Handwashing Sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

Drinking Water Assessment
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ID:	294-AMS-58	Location:	Hallway by Room 022		
Photo:		Manufacturer:	Elkay		
		Description:			
		Drinking Fountain Bubbler			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-59	Location:	Boy's Restroom by 022		
Photo:		Manufacturer:	Bradley		
		Description:			
		Left handwashing sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

ID:	294-AMS-60	Location:	Boy's Restroom by 022		
Photo:		Manufacturer:	Bradley		
		Description:			
		Middle handwashing sink			
		Result:	<1.0	ppb	
		Date Sampled:	3/28/2024	By:	JH
Recommended Action:					

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ID:	294-AMS-61	Location:	Boy's Restroom by 022	
Photo:		Manufacturer:	Bradley	
		Description:		
		Right handwashing sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-62	Location:	Hallway Between RR	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler by 012		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-63	Location:	Hallway Between RR	
Photo:		Manufacturer:	Oasis	
		Description:		
		Drinking Fountain Bubbler by 012		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

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ID:	294-AMS-64	Location:	Girls Restroom by 012	
Photo:		Manufacturer:	Bradley	
		Description:		
		Left Handwashing Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-65	Location:	Girl's Restroom by 012	
Photo:		Manufacturer:	Bradley	
		Description:		
		Middle Handwashing Sink		
		Result:	<1.0	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-66	Location:	Girl's Restroom by 012	
Photo:		Manufacturer:	Bradley	
		Description:		
		Right Handwashing Sink		
		Result:	1.1	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

Drinking Water Assessment
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ID:	294-AMS-67	Location:	Room 012	
Photo:		Manufacturer:	Water Saver Faucet Co.	
		Description:		
		Left side, teacher's island sink		
		Result:	16.5	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:	Mark as Non-Potable/Not for drinking water			

ID:	294-AMS-68	Location:	Room 012 Lab Storage	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Sink		
		Result:	2.8	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:				

ID:	294-AMS-69	Location:	Room 008	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Teacher's Island, Left side		
		Result:	15.5	ppb
		Date Sampled:	3/28/2024	By: JH
Recommended Action:	Mark as Non-Potable/Not for drinking water			

Drinking Water Assessment
 Antonia Middle School
 Fox C-6 School District

ID:	294-AMS-70	Location:	Hall by Room 012	
Photo:		Manufacturer:	Elkay	
		Description:		
		Drinking Fountain Bubbler		
		Result:	<1.0	ppb
Date Sampled:		1/15/2024	By:	JH
Recommended Action:				

ID:	294-AMS-71	Location:	Faculty Restroom by 012	
Photo:		Manufacturer:	Chicago Faucet Co.	
		Description:		
		Handwashing Sink		
		Result:	<1.0	ppb
Date Sampled:		3/28/2024	By:	JH
Recommended Action:				

ID:	294-AMS-72	Location:	Nurse Office	
Photo:		Manufacturer:		
		Description:		
		No Access to sinks		
		Result:	NA	ppb
Date Sampled:		3/28/2024	By:	JH
Recommended Action:		Remove from service/Sample Sources		

May 09, 2024

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: 923294 AMS

WorkOrder: 24032406

Dear Justin Arnold:

TEKLAB, INC received 44 samples on 3/28/2024 3:45:00 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



Report Contents

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

Client: Occu-Tec

Work Order: 24032406

Client Project: 923294 AMS

Report Date: 09-May-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: 24032406

Client Project: 923294 AMS

Report Date: 09-May-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: 24032406

Client Project: 923294 AMS

Report Date: 09-May-24

Qualifiers

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

Client: Occu-Tec

Work Order: 24032406

Client Project: 923294 AMS

Report Date: 09-May-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

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Fax

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Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email jhriley@teklabinc.com



Accreditations

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

Client: Occu-Tec

Work Order: 24032406

Client Project: 923294 AMS

Report Date: 09-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

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

Client: Occu-Tec

Work Order: 24032406

Client Project: 923294 AMS

Report Date: 09-May-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									
24032406-001A	293-AMS-01	NELAP		1.0	21.0	µg/L	1	05/02/2024 16:07	03/28/2024 7:20
24032406-002A	293-AMS-02	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 16:11	03/28/2024 7:21
24032406-003A	293-AMS-03	NELAP		1.0	2.7	µg/L	1	05/02/2024 16:14	03/28/2024 7:22
24032406-004A	293-AMS-04	NELAP		1.0	2.6	µg/L	1	05/02/2024 16:38	03/28/2024 7:23
24032406-005A	293-AMS-05	NELAP		1.0	20.1	µg/L	1	05/02/2024 16:18	03/28/2024 7:24
24032406-006A	293-AMS-06	NELAP		1.0	26.2	µg/L	1	05/02/2024 16:42	03/28/2024 7:25
24032406-007A	293-AMS-07	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:26
24032406-008A	293-AMS-08	NELAP		1.0	3.0	µg/L	1	05/02/2024 16:45	03/28/2024 7:27
24032406-009A	293-AMS-09	NELAP		1.0	2.3	µg/L	1	05/02/2024 1:37	03/28/2024 7:28
24032406-010A	293-AMS-10	NELAP		1.0	4.1	µg/L	1	05/02/2024 1:40	03/28/2024 7:29
24032406-011A	293-AMS-11	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:30
24032406-012A	293-AMS-12	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 1:44	03/28/2024 7:31
24032406-013A	293-AMS-13	NELAP		1.0	10.0	µg/L	1	05/02/2024 1:47	03/28/2024 7:32
24032406-014A	293-AMS-14	NELAP		1.0	7.9	µg/L	1	05/02/2024 1:50	03/28/2024 7:33
24032406-015A	293-AMS-15	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 1:54	03/28/2024 7:34
24032406-016A	293-AMS-16	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:35
24032406-017A	293-AMS-17	NELAP		1.0	1.8	µg/L	1	05/02/2024 1:57	03/28/2024 7:38
24032406-018A	293-AMS-18	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:39
24032406-019A	293-AMS-19	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 16:52	03/28/2024 7:41
24032406-020A	293-AMS-20	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 2:24	03/28/2024 7:43
24032406-021A	293-AMS-21	NELAP		1.0	3.2	µg/L	1	05/02/2024 2:28	03/28/2024 7:44
24032406-022A	293-AMS-22	NELAP		1.0	3.6	µg/L	1	05/02/2024 2:31	03/28/2024 7:44
24032406-023A	293-AMS-23	NELAP		1.0	2.1	µg/L	1	05/02/2024 2:35	03/28/2024 7:46
24032406-024A	293-AMS-24	NELAP		1.0	2.2	µg/L	1	05/02/2024 2:38	03/28/2024 7:47
24032406-025A	293-AMS-25	NELAP		1.0	1.9	µg/L	1	05/02/2024 2:41	03/28/2024 7:48
24032406-026A	293-AMS-26	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 2:55	03/28/2024 7:49
24032406-027A	293-AMS-27	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 2:58	03/28/2024 7:51
24032406-028A	293-AMS-28	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:12	03/28/2024 7:51
24032406-029A	293-AMS-29	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:15	03/28/2024 7:51
24032406-030A	293-AMS-30	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:19	03/28/2024 7:52
24032406-031A	293-AMS-31	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:22	03/28/2024 7:52
24032406-032A	293-AMS-32	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:26	03/28/2024 7:53
24032406-033A	293-AMS-33	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:29	03/28/2024 7:53
24032406-034A	293-AMS-34	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:32	03/28/2024 7:53
24032406-035A	293-AMS-35	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 3:46	03/28/2024 7:54
24032406-036A	293-AMS-36	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:56
24032406-037A	293-AMS-37	NELAP		0.2	lab error	µg/L	1	05/02/2024 0:00	03/28/2024 7:56
24032406-038A	293-AMS-38	NELAP		1.0	2.8	µg/L	1	05/02/2024 16:48	03/28/2024 7:58
24032406-039A	293-AMS-39	NELAP		1.0	1.9	µg/L	1	05/02/2024 4:03	03/28/2024 8:05
24032406-040A	293-AMS-40	NELAP		1.0	1.1	µg/L	1	05/02/2024 4:06	03/28/2024 7:59
24032406-041A	293-AMS-41	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 19:48	03/28/2024 8:00
24032406-042A	293-AMS-42	NELAP		1.0	2.4	µg/L	1	05/02/2024 19:52	03/28/2024 8:01
24032406-043A	293-AMS-43	NELAP		1.0	2.6	µg/L	1	05/02/2024 19:56	03/28/2024 8:04
24032406-044A	293-AMS-44	NELAP		1.0	< 1.0	µg/L	1	05/02/2024 20:17	03/28/2024 8:06



Receiving Check List

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

Client: Occu-Tec

Work Order: 24032406

Client Project: 923294 AMS

Report Date: 09-May-24

Carrier: Craig McKinney

Received By: WAO

Completed by:

Amber Dilallo

Reviewed by:

Marvin L. Darling II

On:

On:

01-Apr-24

Amber Dilallo

01-Apr-24

Marvin L. Darling

Pages to follow: Chain of custody

Extra pages included

- | | | | | | |
|---|--|------------------------------|--------------------------------------|-------------------------------------|--------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C | N/A |
| Type of thermal preservation? | None <input checked="" type="checkbox"/> | Ice <input type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice | <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |

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 <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials | <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers | <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA | <input type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> |

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.

May 02, 2024

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



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: 923294 AMS

WorkOrder: 24032407

Dear Justin Arnold:

TEKLAB, INC received 27 samples on 3/28/2024 3:45:00 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



Report Contents

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

Client: Occu-Tec

Work Order: 24032407

Client Project: 923294 AMS

Report Date: 02-May-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: 24032407

Client Project: 923294 AMS

Report Date: 02-May-24

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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."

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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.

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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.

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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: 24032407

Client Project: 923294 AMS

Report Date: 02-May-24

Qualifiers

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



Case Narrative

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

Client: Occu-Tec

Work Order: 24032407

Client Project: 923294 AMS

Report Date: 02-May-24

Cooler Receipt Temp: N/A °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
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Fax
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Kansas City

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



Accreditations

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

Client: Occu-Tec

Work Order: 24032407

Client Project: 923294 AMS

Report Date: 02-May-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	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		3/14/2025	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: 24032407

Client Project: 923294 AMS

Report Date: 02-May-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									
24032407-001A	293-AMS-45	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 12:45	03/28/2024 8:06
24032407-002A	293-AMS-46	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 12:56	03/28/2024 8:08
24032407-003A	293-AMS-47	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:00	03/28/2024 8:08
24032407-004A	293-AMS-48	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:15	03/28/2024 8:08
24032407-005A	293-AMS-49	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:18	03/28/2024 8:10
24032407-006A	293-AMS-50	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:22	03/28/2024 8:10
24032407-007A	293-AMS-51	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:26	03/28/2024 8:10
24032407-008A	293-AMS-52	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:29	03/28/2024 8:13
24032407-009A	293-AMS-53	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:33	03/28/2024 8:13
24032407-010A	293-AMS-54	NELAP		1.0	1.6	µg/L	1	05/01/2024 13:37	03/28/2024 8:15
24032407-011A	293-AMS-55	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:40	03/28/2024 8:15
24032407-012A	293-AMS-56	NELAP		1.0	1.0	µg/L	1	05/01/2024 13:44	03/28/2024 8:16
24032407-013A	293-AMS-57	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 13:48	03/28/2024 8:16
24032407-014A	293-AMS-58	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:02	03/28/2024 8:20
24032407-015A	293-AMS-59	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:06	03/28/2024 8:21
24032407-016A	293-AMS-60	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:17	03/28/2024 8:21
24032407-017A	293-AMS-61	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:36	03/28/2024 8:21
24032407-018A	293-AMS-62	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:39	03/28/2024 8:22
24032407-019A	293-AMS-63	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:43	03/28/2024 8:22
24032407-020A	293-AMS-64	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 14:47	03/28/2024 8:24
24032407-021A	293-AMS-65	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 16:00	03/28/2024 8:24
24032407-022A	293-AMS-66	NELAP		1.0	1.1	µg/L	1	05/01/2024 16:04	03/28/2024 8:24
24032407-023A	293-AMS-67	NELAP		1.0	16.6	µg/L	1	05/01/2024 16:07	03/28/2024 8:25
24032407-024A	293-AMS-68	NELAP		1.0	2.8	µg/L	1	05/01/2024 16:18	03/28/2024 8:26
24032407-025A	293-AMS-69	NELAP		1.0	15.5	µg/L	1	05/01/2024 16:22	03/28/2024 8:27
24032407-026A	293-AMS-70	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 16:26	03/28/2024 8:28
24032407-027A	293-AMS-71	NELAP		1.0	< 1.0	µg/L	1	05/01/2024 16:40	03/28/2024 8:29



Receiving Check List

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

Client: Occu-Tec

Work Order: 24032407

Client Project: 923294 AMS

Report Date: 02-May-24

Carrier: Craig McKinney

Received By: WAO

Completed by:

Amber Dilallo

Reviewed by:

Marvin L. Darling II

On:

On:

01-Apr-24

Amber Dilallo

01-Apr-24

Marvin L. Darling

Pages to follow: Chain of custody

Extra pages included

- | | | | | | |
|---|--|------------------------------|--------------------------------------|-------------------------------------|--------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Temp °C | N/A |
| Type of thermal preservation? | None <input checked="" type="checkbox"/> | Ice <input type="checkbox"/> | Blue Ice <input type="checkbox"/> | Dry Ice | <input type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |
| Reported field parameters measured: | Field <input type="checkbox"/> | Lab <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature in compliance? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | | |

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 <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials | <input checked="" type="checkbox"/> |
| Water - TOX containers have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No TOX containers | <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA | <input type="checkbox"/> |
| NPDES/CWA TCN interferences checked/treated in the field? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA | <input checked="" type="checkbox"/> |

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.

CHAIN OF CUSTODY

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, MO 64117
 Contact: Justin Arnold Phone: 816-810-3276
 Email: jarnold@occutec.com Fax: 816-994-3478

Samples on: ICE BLUE ICE NO ICE N/A °C
 Preserved in: LAB FIELD FOR LAB USE ONLY
 LAB NOTES:

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

Client Comments:
 Pb RL <5.0 ppb

PROJECT NAME/NUMBER: 923294
 SAMPLE COLLECTOR'S NAME: Jay Hurst

# and Type of Containers										INDICATE ANALYSIS REQUESTED										
UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Lead by 200.8											

RESULTS REQUESTED: Standard 1-2 Day (100% Surcharge) Other 3 Day (50% Surcharge)
 BILLING INSTRUCTIONS:

Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Lead by 200.8							
24032407	293-AMS- 45	3/28/2024 - 806	Drinking Water	X									✓							
002	293-AMS- 46	3/28/2024 - 808	Drinking Water	X									✓							
003	293-AMS- 47	3/28/2024 - 808	Drinking Water	X									✓							
004	293-AMS- 48	3/28/2024 - 808	Drinking Water	X									✓							
005	293-AMS- 49	3/28/2024 - 810	Drinking Water	X									✓							
006	293-AMS- 50	3/28/2024 - 810	Drinking Water	X									✓							
007	293-AMS- 51	3/28/2024 - 810	Drinking Water	X									✓							
008	293-AMS- 52	3/28/2024 - 813	Drinking Water	X									✓							
009	293-AMS- 53	3/28/2024 - 813	Drinking Water	X									✓							
010	293-AMS- 54	3/28/2024 - 815	Drinking Water	X									✓							
011	293-AMS- 55	3/28/2024 - 815	Drinking Water	X									✓							

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	3/28/24 1300	<i>[Signature]</i>	3/28/24 1300
	3/28/24 1545	<i>[Signature]</i>	3/28/24 1545

*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 for terms and conditions

CHAIN OF CUSTODY

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, MO 64117 Contact: Justin Arnold Phone: 816-810-3276 Email: jarnold@occutec.com Fax: 816-994-3478	Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY LAB NOTES: Client Comments: Pb RL <5.0 ppb
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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 923294	SAMPLE COLLECTOR'S NAME Jay Hurst	# and Type of Containers	INDICATE ANALYSIS REQUESTED
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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	UMP HNO3 NaOH H2SO4 HCL MeOH NaHSO4 TSP Other Lead by 200.8
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Lab Use Only	Sample ID	Date/Time Sampled	Matrix	UNP	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	TSP	Other	Lead by 200.8						
2403240701	293-AMS-56	3/28/2024 - 816	Drinking Water	X									✓						
013	293-AMS-57	3/28/2024 - 816	Drinking Water	X									✓						
014	293-AMS-58	3/28/2024 - 820	Drinking Water	X									✓						
015	293-AMS-59	3/28/2024 - 821	Drinking Water	X									✓						
016	293-AMS-60	3/28/2024 - 821	Drinking Water	X									✓						
017	293-AMS-61	3/28/2024 - 821	Drinking Water	X									✓						
018	293-AMS-62	3/28/2024 - 822	Drinking Water	X									✓						
019	293-AMS-63	3/28/2024 - 822	Drinking Water	X									✓						
020	293-AMS-64	3/28/2024 - 824	Drinking Water	X									✓						
021	293-AMS-65	3/28/2024 - 824	Drinking Water	X									✓						
022	293-AMS-66	3/28/2024 - 824	Drinking Water	X									✓						

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	3/28/24 1300	<i>[Signature]</i>	3/28/24 1300
	3/28/24 1548	<i>[Signature]</i>	3/28/24 1545

*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 for terms and conditions

