



OKLAHOMA DRINKING WATER

LEAD TESTING

IN PUBLIC SCHOOLS & CHILD CARE FACILITIES

District: Frontier Public Schools

School: Frontier Public Schools

Sampling Dates: 7/1/21, 9/20/24, 10/18/24

Status: Remediation

RESULTS

Below are the results from the first and second rounds of testing of drinking water for lead that was conducted at Frontier Public Schools - Frontier Public Schools. The initial sampling event occurred on July 1, 2021. The resampling event occurred on September 20, 2024.

In the initial sampling, sixty-five (65) outlets were tested resulting in a total of one-hundred and thirty (130) samples being sent to the lab.

- Sixty-seven (67) samples had no detectable level of lead.
- Fifty-six (56) samples had a low detection of lead between 1.0 and 14.9 µg/L.
- Seven (7) samples had a high detection of lead equal to or above 15.0 µg/L.

In the resampling, thirty-one (31) outlets were tested resulting in a total of sixty-two (62) samples being sent to the lab.

- Forty-three (43) samples had no detectable level of lead.
- Seventeen (17) samples had a low detection of lead between 1.0 and 14.9 µg/L.
- Two (2) samples had a high detection of lead equal to or above 15.0 µg/L.

In the supplementary resampling, two (2) outlets were tested resulting in a total of four (4) samples being sent to the lab. These two fixtures were unable to be sampled during the 9/20/24 resampling event due to maintenance.

- Four (4) samples had no detectable level of lead.
- Zero (0) samples had a low detection of lead between 1.0 and 14.9 µg/L.
- Zero (0) samples had a high detection of lead equal to or above 15.0 µg/L.

The table below shows all sample results. Sample results are in micrograms per liter, shown as µg/L. For more information on how to read this report, please see our **Results Interpretation Fact Sheet**.

Sample ID	Outlet Description	First Draw (µg/L)	Flush (µg/L)	Remedial Action	First Draw (µg/L)	Flush (µg/L)
		Initial Sampling			Resampling	
Non-Detect (<1.0 µg/L)						
1-1-HALL-WC1	Steam room; Elkay water cooler in hallway; left side	<1.0	<1.0	N/A		

Sample ID	Outlet Description	First Draw (µg/L)	Flush (µg/L)	Remedial Action	First Draw (µg/L)	Flush (µg/L)
		Initial Sampling			Resampling	
1-1-HALL-WC2	Steam room; Elkay water cooler with bottle filler in hallway; right side	<1.0	<1.0	N/A		
1-1-HALL-WC3	Steam room; Elkay bottle filler in hallway; right side	<1.0	<1.0	N/A		
2-1-HALL-WC2	Main building; Elkay water cooler with bottle filler in hallway between Room 515 and Room 510; right side	<1.0	<1.0	N/A		
2-1-HALL-WC3	Main building; Elkay bottle filler in hallway between Room 515 and Room 510; right side	<1.0	<1.0	N/A		
2-1-HALL-WC4	Main building; Elkay water cooler in Middle School Hall; left side	<1.0	<1.0	N/A		
2-1-HALL-WC8	Main building; Elkay bottle filler in hallway across from Room 320; left side	<1.0	<1.0	N/A		
2-1-HALL-WC9	Main building; Elkay water cooler in hallway across from Room 320; right side	<1.0	<1.0	N/A		
2-1-HALL-WC10	Main building; Water cooler with bottle filler in Auditorium hallway	<1.0	<1.0	N/A		
2-1-HALL-WC11	Main building; Bottle filler in Auditorium hallway	<1.0	<1.0	N/A		
2-1-CAFE-WC2	Main building; Halsey Taylor water cooler with bottle filler in cafeteria; right side	<1.0	<1.0	N/A		
2-1-CAFE-WC3	Main building; Halsey Taylor bottle filler in cafeteria; right side	<1.0	<1.0	N/A		
2-1-KIT-IM	Main building; Manitowoc ice machine in Kitchen	<1.0	<1.0	N/A		

Sample ID	Outlet Description	First Draw (µg/L)	Flush (µg/L)	Remedial Action	First Draw (µg/L)	Flush (µg/L)
		Initial Sampling			Resampling	
2-1-GYM-WC1	Main building; Elkay water cooler with bottle filler on south side of gym	<1.0	<1.0	N/A		
2-1-GYM-WC2	Main building; Elkay bottle filler on south side of gym	<1.0	<1.0	N/A		
2-1-GYM-WC3	Main building; Elkay water cooler with bottle filler on north side of gym	<1.0	<1.0	N/A		
2-1-GYM-WC4	Main building; Elkay bottle filler on north side of gym	<1.0	<1.0	N/A		
2-1-HALL-WC12	Main building; Elkay water cooler in hall near board room; left side	<1.0	<1.0	N/A		
2-1-HALL-WC13	Main building; Elkay water cooler in hall near board room; right side	<1.0	<1.0	N/A		
2-1-HALL-WC14	Main building; Elkay water cooler with bottle filler in high school hall; outside Room 110; left side	<1.0	<1.0	N/A		
2-1-HALL-WC15	Main building; Elkay bottle filler in high school hall; outside Room 110; left side	<1.0	<1.0	N/A		
3-1-HOUSE-KF1	Kitchen faucet in kitchen of house on East Side; closest to school	<1.0	<1.0	N/A		
5-1-AG-WC2	Ag Barn; Elkay water cooler in Tech Ed area; left side	<1.0	<1.0	N/A		
5-1-AG-WC3	Ag Barn; Elkay water cooler in Tech Ed area; right side	<1.0	<1.0	N/A		
6-1-PIG-WC	Pig Barn; Halsey Taylor water cooler in hallway	<1.0	<1.0	N/A		
7-1-HOUSE-KF2	Kitchen faucet in Trailer house; middle	<1.0	<1.0	N/A		

Sample ID	Outlet Description	First Draw (µg/L)	Flush (µg/L)	Remedial Action	First Draw (µg/L)	Flush (µg/L)
		Initial Sampling			Resampling	
8-1-HOUSE-KF1	Kitchen faucet in kitchen of house on west side; closest to school	<1.0	<1.0	N/A		
8-1-HOUSE-KF2	Kitchen faucet in kitchen of house on west side; furthest from school	<1.0	<1.0	N/A		
2-1-HALL-WC18	Elementary Wing Hall, Bottle filler	N/A	N/A	New	<1.0	<1.0
2-1-CAFÉ-WC4	Cafeteria, bottle filler	N/A	N/A	New	<1.0	<1.0
2-1-HALL-WC17	High School Hall, bottle filler	N/A	N/A	New	<1.0	<1.0
5-1-AG-WC4	Ag barn, bottle filler	N/A	N/A	New	<1.0	<1.0
1-1-STORM-101-CF1	Storm shelter, room 101, left sink	N/A	N/A	New	<1.0	<1.0
1-1-STORM-101-CF2	Storm shelter, room 101, right sink	N/A	N/A	New	<1.0	<1.0
1-1-STORM-WC1	Storm shelter, left Water Cooler w/o bottle filler	N/A	N/A	New	<1.0	<1.0
1-1-STORM-WC3	Storm shelter, water cooler right	N/A	N/A	New	<1.0	<1.0
1-1-STORM-WC4	Storm shelter, bottle filler right	N/A	N/A	New	<1.0	<1.0
2-1-Nurse-NS	Main building; Nurse sink in nurse's office	1.1	2.2		<1.0	<1.0
2-1-HALL-WC7	Main building; Elkay water cooler with bottle filler in hallway across from Room 320; left side	1.3	2.0		<1.0	<1.0
2-1-HALL-WC16	Main building; Elkay water cooler in high school hall; outside Room 110; right side	2.8	3.5		<1.0	<1.0
2-1-HALL-WC1	Main building; Elkay water cooler in hallway between Room 515 and Room 510; left side	<1.0	1.1	Removed		

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		Initial Sampling			Resampling	
2-1-HALL-WC5	Main building; Elkay water cooler in Middle School Hall; right side	1.1	<1.0	Removed		
2-1-319-DW	Main building; Drinking water bubbler in Room 319	5.1	1.4	Removed		
2-1-320-DW	Main building; Drinking water bubbler in Room 320	7.7	2.7	Removed		
2-1-318-DW	Main building; Drinking water bubbler in Room 318	9.8	4.1	Removed		
2-1-321-DW	Main building; Drinking water bubbler in Room 321	10.1	4.1	Removed		
2-1-510-DW	Main building; Drinking water bubbler in Room 510	10.9	2.2	Removed		
2-1-CAFE-WC1	Main building; Elkay water cooler in cafeteria; left side	3.3	19.8	Removed		
2-1-ROSE-DW	Main building; Drinking water bubbler in Ms. Rose classroom; near auditorium on north side; was covered before sampling	33.0	8.1	Removed		
2-1-505-CF	Main building; Classroom faucet in Room 505	9.6	1.4	<i>Replaced</i>	<1.0	<1.0
2-1-KIT-KF1	Main building; Kitchen faucet in main kitchen; left side	9.8	<1.0	<i>Replaced</i>	<1.0	<1.0
2-1-515-CF	Main building; Classroom faucet in Room 515	9.9	1.8	<i>Replaced</i>	<1.0	<1.0
2-1-KIT-KF2	Main building; Kitchen faucet in main kitchen; right side	20.6	<1.0	<i>Replaced</i>	<1.0	<1.0
5-1-AG-WC1	Ag Barn; Elkay water cooler in ag room	4.6	32.0	<i>Replaced</i>	<1.0	<1.0
Low Detection (1.0 - 14.9 µg/L)						
2-1-HALL-WC6	Main building; Halsey Taylor water cooler in middle school hall	<1.0	1.0			
4-1-BB-WC	Bus Barn; Sunrock water cooler in Bus Barn	<1.0	2.0			

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		Initial Sampling			Resampling	
3-1-HOUSE-KF4	Kitchen faucet in kitchen of house on East Side; furthest from school	1.0	<1.0			
3-1-HOUSE-KF3	Kitchen faucet in kitchen of house on East Side; second furthest from school	1.2	<1.0			
2-1-ROSE-CF	Main building; Classroom faucet in Ms. Rose classroom; near auditorium on north side	152.0	1.3	Replaced	1.4	<1.0
2-1-510-CF	Main building; Classroom faucet in Room 510	3.4	<1.0		1.6	<1.0
2-1-110-CF2	Main building; Classroom faucet in Room 110; north side sink	8.2	3.3		2.5	2.8
2-1-319-CF	Main building; Classroom faucet in Room 319	11.8	2.2	Replaced	2.8	1.7
7-1-HOUSE-KF1	Kitchen faucet in Trailer house; closest to school	3.0	<1.0			
2-1-321-CF	Main building; Classroom faucet in Room 321	48.2	2.9	Replaced	3.1	<1.0
1-1-STORM-113-CF2	Storm shelter, room 113, right sink	N/A	N/A	New	3.3	<1.0
2-1-110-CF1	Main building; Classroom faucet in Room 110; south side sink	10.4	6.0		4	<1.0
1-1-STORM-113-CF1	Storm shelter, room 113, left sink	N/A	N/A	New	4.2	<1.0
2-1-BOARD-CF	Main building; Classroom faucet in board room	1.8	<1.0		4.9	<1.0
2-1-110-CF3	Art room, handwash sink	N/A	N/A	New	5.3	<1.0
2-1-318-CF	Main building; Classroom faucet in Room 318	9.9	3.1		6.4	<1.0
2-1-KIT-KF3	Main building; Kitchen faucet in Northwest kitchen sink in main kitchen	14.4	1.2		10.3	<1.0

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		Initial Sampling			Resampling	
3-1-HOUSE-KF2	Kitchen faucet in kitchen of house on East Side; second closest to school	6.5	13.0			
6-1-PIG-CF	Pig Barn; Classroom faucet in concession stand	13.1	1.1			
2-1-320-CF	Main building; Classroom faucet in Room 320	15.2	4.3		14	<1.0
7-1-HOUSE-KF3	Kitchen faucet in Trailer house; furthest from school	14.6	1.1			
High Detection (≥15.0 µg/L)						
2-1-HOMEED-CF1	Main building; Classroom faucet in Home Economics room	5.5	3.1		20.8	4.2
2-1-HOMEED-CF2	Main building; Classroom faucet in secondary sink in Home Economics room	10.8	4.8		66	7.6