



May 25, 2018

Elder High School
Will G. Klayer
3900 Vincent Avenue
Cincinnati, OH 45205

Dear Mr. Klayer,

Samples from a few locations were collected in a resample round of lead analyses for Elder High School. Greater Cincinnati Water works (GCWW) analyzed the samples and compared the results.

School Sampling Results

The *USEPA 3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance Document (3Ts Guidelines)* is the process and guidelines used for assisting schools with testing for lead. Sample results are attached.

Changes made and Next Steps

1. Several samples (ELD32, ELD38, ELD40, ELD112, ELD157, ELD164, ELD171, and ELD177) had high lead detections in the first round of sampling in 2017. Since then, several changes have been made:
 - a. ELD-59FL1-MOTHERSRM-SINK-ELD32, the faucet was replaced and the line was flushed. This reduced the result below the detection level; no further action is suggested at this sample location.
 - b. ELD-59FL1-CAFEDISHRM-RSINK-ELD38 and ELD-STADIUM-JVLOCK-DF-ELD157, the aerator was cleaned and the line was flushed for each location. This reduced the results below the detection level; no further action is suggested at these sample locations.
 - c. ELD-59FL1-KITISLAND-SINK-ELD40 and ELD-59FL3-317-RSINK-ELD112, the aerator was cleaned and the line was flushed for each location. For both locations, lead levels were greater reduced. Trace amounts of lead are still detected at these locations. If these locations are not used for food preparation or drinking, no further action is suggested. Lead is not an issue for body contact such as bathing, showering, and washing hands.
 - d. ELD-HS-MRR-RSINK-ELD164, ELD-HS-WRRSWALL-FRSINK-ELD171, and ELD-HS-WRREWALL-FRSINK-ELD177, were turned off for the season and will be resampled at a later time.

2. Over the summer 3 of the science labs (room numbers 306, 307 and 308) were remodeled with various faucets replaced and flushed.
 - a. All of these sample locations (36) had lead detections.
 - b. During the remodel, particles could have been introduced when replacing the faucets and are now on the aerators, contributing to the lead detections.
 - c. If these locations are not used on a regular basis, infrequent use can also contribute to the lead detections.

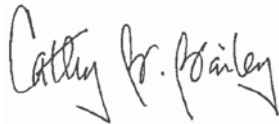


- d. All of the science lab locations are sinks or spray locations. Lead is not an issue for body contact such as bathing, showering, and washing hands.
- e. Given that all of these locations had lead detections and may possibly be used infrequently in the future, it is suggested that signs are posted limiting the use of the sinks (e.g., science lab only, not for drinking purposes, etc.). Signs have been posted by other schools as a helpful way to limit the purpose of the sinks and outlets. Posting signs is suggested as a form of remediation in the 3Ts Guidelines as a mitigation measure.

Your work and changes in the school continue to improve the water quality for the students and staff. Your decisions and actions throughout this process speak to your care and commitment to ensure students and staff remain safe and healthy.

Thanks again for your partnership with Greater Cincinnati Water Works and your work to further understand the water quality within your building. Your extra steps and care to keep the children in our community safe are appreciated!

Sincerely,



Cathy B. Bailey
Director/Greater Cincinnati Water Works

Cc: Dr. Marilyn Crumpton, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
Chuck DeJonckheere, Hamilton County Public Health
Sheila Hill-Christian, City of Cincinnati
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works
Jason DeLaet, Greater Cincinnati Water Works



**Cincinnati Archdiocese - Elder High School
Lead Testing Results-Resamples**

SAMPLE	Initial 1st Draw sample Date 5/2/17 Lead, ppb	Changes made after first round of sampling	1st Draw sample Date 12/21/17 Lead, ppb	30 second flush sample Date 12/21/17 Lead, ppb	60 second flush sample Date 12/21/17 Lead, ppb
ELD-59FL1-MOTHERSRM-SINK-ELD32-RELD1	38.9	Replaced the faucet; flushed the lines	<1	<1	<1
ELD-59FL1-CAFEDISHRM-RSINK-ELD38-RELD4	18.2	Aerator cleaned; flushed the lines	6.59	1.8	<1
ELD-59FL1-KITISLAND-SINK-ELD40-RELD7	17.6	Aerator cleaned; flushed the lines	12	1.44	1.03
ELD-59FL3-317-RSINK-ELD112-RELD10	20.2	Aerator cleaned; flushed the lines	27.4	2.25	2.93
ELD-STADIUM-JVLOCK-DF-ELD157-RELD13	1.33	Aerator cleaned; flushed the lines	1.13	<1	<1
ELD-HS-MRR-RSINK-ELD164-RELD16	31.5	Turned off for the season; resample in spring	N/A	N/A	N/A
ELD-HS-WRRSWALL-FRSINK-ELD171-RELD19	43.2	Turned off for the season; resample in spring	N/A	N/A	N/A
ELD-HS-WRREWALL-FRSINK-ELD177-RELD22	23.5	Turned off for the season; resample in spring	N/A	N/A	N/A
ELD-59FL3-308FRONTDESK-SINK-ELD178	N/A	Science lab remodel; replaced faucet and flushed the lines	17.5	N/A	N/A
ELD-59FL3-308FRONTDESK-SPRAY-ELD179	N/A	Science lab remodel; replaced faucet and flushed the lines	146	N/A	N/A
ELD-59FL3-308NWALL-LSINK-ELD180	N/A	Science lab remodel; replaced faucet and flushed the lines	47.3	N/A	N/A
ELD-59FL3-308NWALL-LSPRAY-ELD181	N/A	Science lab remodel; replaced faucet and flushed the lines	105	N/A	N/A



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ELD-59FL3-308NWALL-RSINK-ELD182	N/A	Science lab remodel; replaced faucet and flushed the lines	28.8	N/A	N/A
ELD-59FL3-308EWALL-SINK-ELD183	N/A	Science lab remodel; replaced faucet and flushed the lines	40.8	N/A	N/A
ELD-59FL3-308WWALL-SINK-ELD184	N/A	Science lab remodel; replaced faucet and flushed the lines	28.2	N/A	N/A
ELD-59FL3-307FRONTDESK-SINK-ELD185	N/A	Science lab remodel; replaced faucet and flushed the lines	3.45	N/A	N/A
ELD-59FL3-307FRONTDESK-SPRAY-ELD186	N/A	Science lab remodel; replaced faucet and flushed the lines	5.59	N/A	N/A
ELD-59FL3-307NWALL-SINK-ELD187	N/A	Science lab remodel; replaced faucet and flushed the lines	23.2	N/A	N/A
ELD-59FL3-307NWALL-SPRAY-ELD188	N/A	Science lab remodel; replaced faucet and flushed the lines	8.24	N/A	N/A
ELD-59FL3-307R1FW-NSINK-ELD189	N/A	Science lab remodel; replaced faucet and flushed the lines	2.38	N/A	N/A
ELD-59FL3-307R1FW-SSINK-ELD190	N/A	Science lab remodel; replaced faucet and flushed the lines	3.86	N/A	N/A
ELD-59FL3-307R1W-NSINK-ELD191	N/A	Science lab remodel; replaced faucet and flushed the lines	3.09	N/A	N/A

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ELD-59FL3-307R1W-SSINK-ELD192	N/A	Science lab remodel; replaced faucet and flushed the lines	3.3	N/A	N/A
ELD-59FL3-307R1E-NSINK-ELD193	N/A	Science lab remodel; replaced faucet and flushed the lines	3.93	N/A	N/A
ELD-59FL3-307R1E-SSINK-ELD194	N/A	Science lab remodel; replaced faucet and flushed the lines	3.3	N/A	N/A
ELD-59FL3-307R1FE-NSINK-ELD195	N/A	Science lab remodel; replaced faucet and flushed the lines	3.96	N/A	N/A
ELD-59FL3-307R1FE-SSINK-ELD196	N/A	Science lab remodel; replaced faucet and flushed the lines	3.77	N/A	N/A
ELD-59FL3-307R2FW-NSINK-ELD197	N/A	Science lab remodel; replaced faucet and flushed the lines	3.05	N/A	N/A
ELD-59FL3-307R2FW-SSINK-ELD198	N/A	Science lab remodel; replaced faucet and flushed the lines	2.56	N/A	N/A
ELD-59FL3-307R2W-NSINK-ELD199	N/A	Science lab remodel; replaced faucet and flushed the lines	2.41	N/A	N/A
ELD-59FL3-307R2W-SSINK-ELD200	N/A	Science lab remodel; replaced faucet and flushed the lines	3.23	N/A	N/A
ELD-59FL3-307R2E-NSINK-ELD201	N/A	Science lab remodel; replaced faucet and flushed the lines	3.66	N/A	N/A



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ELD-59FL3-307R2E-SSINK-ELD202	N/A	Science lab remodel; replaced faucet and flushed the lines	3.76	N/A	N/A
ELD-59FL3-307R2FE-NSINK-ELD203	N/A	Science lab remodel; replaced faucet and flushed the lines	5.12	N/A	N/A
ELD-59FL3-307R2FE-SSINK-ELD204	N/A	Science lab remodel; replaced faucet and flushed the lines	3.12	N/A	N/A
ELD-59FL3-306FRONTDESK-SINK-ELD205	N/A	Science lab remodel; replaced faucet and flushed the lines	10.2	N/A	N/A
ELD-59FL3-306FRONTDESK-SPRAY-ELD206	N/A	Science lab remodel; replaced faucet and flushed the lines	13.2	N/A	N/A
ELD-59FL3-306NWALL-LSINK-ELD207	N/A	Science lab remodel; replaced faucet and flushed the lines	40.6	N/A	N/A
ELD-59FL3-306NWALL-LSPRAY-ELD208	N/A	Science lab remodel; replaced faucet and flushed the lines	97.8	N/A	N/A
ELD-59FL3-306NWALL-RSINK-ELD209	N/A	Science lab remodel; replaced faucet and flushed the lines	264	N/A	N/A
ELD-59FL3-306EWALL-LSINK-ELD210	N/A	Science lab remodel; replaced faucet and flushed the lines	38.1	N/A	N/A
ELD-59FL3-306EWALL-RSINK-ELD211	N/A	Science lab remodel; replaced faucet and flushed the lines	39.4	N/A	N/A



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ELD-59FL3-306SWALL-LSINK-ELD212	N/A	Science lab remodel; replaced faucet and flushed the lines	27.2	N/A	N/A
ELD-59FL3-306SWALL-RSINK-ELD213	N/A	Science lab remodel; replaced faucet and flushed the lines	131	N/A	N/A