



October 11, 2018

Cincinnati Public Schools
Cynthia Eghbalnia
2651 Burnet Avenue
Cincinnati, OH 45219

**Silverton Paideia
Academy**

Dear Cynthia:

Thank you for taking the responsibility seriously to protect the health of the children by voluntarily testing the water in your school for lead!

Attached please find the results of the lead analyses performed for Silverton Paideia Academy by the Greater Cincinnati Water Works (GCWW). The following comments speak to the process, samples analyzed and additional steps needed to help ensure the safety of all the students within the school.

School Sampling Process and Results

GCWW and Cincinnati Public Schools (CPS) staff worked together to finalize a sampling plan for the school. 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.

In May, one hundred five (105) samples were collected from drinking fountains, sinks and cooking outlets throughout the school. Multiple sinks within the schools were not initially considered for testing, however, key nearby indicators (coffee makers, drinking cups, plates, utensils, etc.) prompted additional locations to be tested in the schools. Including these sampling locations speaks to the proactive approach CPS continues to have towards understanding the water quality within the schools. The results show the following:

- 91 samples (86.67%), below the detection level (<1)
- 14 samples (13.33%), between 1ppb and 5ppb
- 0 sample (0.00%), between 5ppb and 10ppb
- 0 samples (0.00%), between 10ppb and 15ppb
- 0 sample (0.00%), greater than 15ppb.

One hundred percent (100.00%) of the results were below the detection level or below the federal action level.

Fifteen parts per billion (ppb) is the federal Lead and Copper Rule action level; desired results are below 15. The federal action level of 15ppb pertains to water utilities and GCWW's review and comments are based on this action level. However, the USEPA 3Ts Guidelines document outlines practices for schools to put in place if samples are greater than 20 ppb.

While we strive to have results less than 15, we recognize that lead is a pervasive environmental contaminant, and no safe blood lead threshold has been identified in children or adults. Therefore, we provide recommendations to further reduce any lead levels discovered in your school.



Next steps

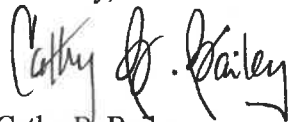
GCWW has reviewed the results from your samples and provides some next-steps comments.

1. Twenty-four (24) of the twenty-eight (28) drinking fountains and bottle fillers had no lead detections. Four (4) of the drinking fountains (SIL38, SIL42, SIL46, and SIL49) had trace amounts of lead. The amounts are very low, however, flushing the line before use (letting the water run) will reduce the risk of lead. No further action is suggested.
2. Results for the kitchen, three (3) of the nine (9) sample locations (SIL1, SIL5, and SIL9) had trace amounts of lead. The amounts are very low, however, flushing the line (letting the water run) before using these locations for food and drink preparation will reduce the risk of lead. No further action is suggested.
3. Other sinks had lead detections. Based on the names, they are not used for drinking water or cooking purposes.
 - a. Lead is not an issue for body contact such as bathing, showering, and washing hands.
 - a. To lower the lead levels, consider removing and cleaning the aerator. Particles may be trapped on the aerator and contributing to the lead level.
 - b. If the locations with lead detections are not used on a regular basis, then the infrequent use may be contributing to the lead detections.
4. Review how water is being used within your facility. Again, if water is not used on a regular basis at some of these locations, the infrequent use at the outlet may be contributing to the lead detections. Signage at these locations may be helpful (hand washing only, science class purposes only-no drinking, etc.).
5. If it hasn't occurred already, a robust communications plan is suggested. Communications plan steps are outlined in the 3Ts Guidelines. This plan will inform the school community of the sampling work the school has done to date and the steps the school will take to correct any issues discovered. GCWW employees can assist with this plan and are available to attend any school meetings to help explain our lead program, the sample results and our partnership with your school. Suggestions for language and a letter template can be provided if needed. Sampling results will be posted on the GCWW lead.mygcww.org website with other school sampling results.

Greater Cincinnati Water Works takes the presence of lead service lines and the removal of these lines in our system very seriously. In addition, minimizing the exposure of lead within our preschools, schools, and daycares is one of our highest priorities under our Enhanced Lead Program. Please contact Jim Nelson at 591-6869 if you have any questions.

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: Melba Moore, Cincinnati Health Department
Dr. Camille Jones, Cincinnati Health Department
Chuck DeJonckheere, Hamilton County Public Health
Verna Arnette, Greater Cincinnati Water Works
Jeff Swertfeger, Greater Cincinnati Water Works
Jason DeLaet, Greater Cincinnati Water Works
James Nelson, Greater Cincinnati Water Works

Cincinnati Public Schools - Silverton Paideia Academy - Lead Testing Results

SAMPLE #	SAMPLE DATE	SAMPLE TIME	SAMPLE	PARAMETER, CODE	AMOUNT	GCWW COMMENTS/REVIEW/RECOMMENDATIONS REGARDING RESULTS
SIL1	5/17/2018	5:34	SIL-KIT-NEARSERVE-HANDSINK-SIL1	Lead, ppb	2.32	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL2	5/17/2018	5:35	SIL-KIT-STOCKPOT-LFILLER-SIL2	Lead, ppb	<1	Less than detection level
SIL3	5/17/2018	5:36	SIL-KIT-STOCKPOT-RFILLER-SIL3	Lead, ppb	<1	Less than detection level
SIL4	5/17/2018	5:37	SIL-KIT-2TUB-SINK-SIL4	Lead, ppb	<1	Less than detection level
SIL5	5/17/2018	5:38	SIL-KIT-NEAR1323-HANDSINK-SIL5	Lead, ppb	1.48	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL6	5/17/2018	5:39	SIL-KIT-STAFFRR-SINK-SIL6	Lead, ppb	<1	Less than detection level
SIL7	5/17/2018	5:40	SIL-KIT-DISHRM-HANDSINK-SIL7	Lead, ppb	<1	Less than detection level
SIL8	5/17/2018	5:41	SIL-KIT-DISH3TUB-LSINK-SIL8	Lead, ppb	<1	Less than detection level
SIL9	5/17/2018	5:42	SIL-KIT-DISH3TUB-RSINK-SIL9	Lead, ppb	1.38	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL10	5/17/2018	5:44	SIL-FL1-1327WKRMR-SINK-SIL10	Lead, ppb	<1	Less than detection level
SIL11	5/17/2018	5:45	SIL-FL1-1135STAFFDINE-SINK-SIL11	Lead, ppb	<1	Less than detection level
SIL12	5/17/2018	5:47	SIL-GYM-1311PEOFFRR-SINK-SIL12	Lead, ppb	<1	Less than detection level
SIL13	5/17/2018	5:48	SIL-GYM-1307GIRLSLOCK-SINK-SIL13	Lead, ppb	<1	Less than detection level
SIL14	5/17/2018	5:49	SIL-GYM-1305BOYSLOCK-SINK-SIL14	Lead, ppb	<1	Less than detection level
SIL15	5/17/2018	5:50	SIL-FL1-HALLWAYNEARGYM-LDF-SIL15	Lead, ppb	<1	Less than detection level
SIL16	5/17/2018	5:51	SIL-FL1-HALLWAYNEARGYM-RDF-SIL16	Lead, ppb	<1	Less than detection level
SIL17	5/17/2018	5:52	SIL-FL1-BOYSRRNEARGYM-LSINK-SIL17	Lead, ppb	<1	Less than detection level
SIL18	5/17/2018	5:53	SIL-FL1-BOYSRRNEARGYM-MSINK-SIL18	Lead, ppb	<1	Less than detection level
SIL19	5/17/2018	5:54	SIL-FL1-BOYSRRNEARGYM-RSINK-SIL19	Lead, ppb	<1	Less than detection level
SIL20	5/17/2018	5:55	SIL-FL1-GIRLSRRNEARGYM-LSINK-SIL20	Lead, ppb	<1	Less than detection level
SIL21	5/17/2018	5:56	SIL-FL1-GIRLSRRNEARGYM-MSINK-SIL21	Lead, ppb	<1	Less than detection level
SIL22	5/17/2018	5:57	SIL-FL1-GIRLSRRNEARGYM-RSINK-SIL22	Lead, ppb	<1	Less than detection level
SIL23	5/17/2018	5:58	SIL-FL1-1134COMMUNITYRM-SINK-SIL23	Lead, ppb	<1	Less than detection level
SIL24	5/17/2018	5:59	SIL-FL1-1134COMMUNITYRMRR-SINK-SIL24	Lead, ppb	<1	Less than detection level

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SIL25	5/17/2018	6:00	SIL-FL1-1201ART-LSINK-SIL25	Lead, ppb	2.1	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL26	5/17/2018	6:01	SIL-FL1-1201ART-RSINK-SIL26	Lead, ppb	<1	Less than detection level
SIL27	5/17/2018	6:02	SIL-FL1-MAINOFF1214-SINK-SIL27	Lead, ppb	<1	Less than detection level
SIL28	5/17/2018	6:02	SIL-FL1-RRNEAR1210-SINK-SIL28	Lead, ppb	<1	Less than detection level
SIL29	5/17/2018	6:03	SIL-FL1-1210HEALTH-SINK-SIL29	Lead, ppb	<1	Less than detection level
SIL30	5/17/2018	6:04	SIL-FL1-1210HEALTHFRIDGE-IM-SIL30	Lead, ppb	<1	Less than detection level
SIL31	5/17/2018	6:05	SIL-FL1-1210HEALTHRR-SINK-SIL31	Lead, ppb	<1	Less than detection level
SIL32	5/17/2018	6:06	SIL-FL1-1130-SINK-SIL32	Lead, ppb	<1	Less than detection level
SIL33	5/17/2018	6:07	SIL-FL1-1130-DF-SIL33	Lead, ppb	<1	Less than detection level
SIL34	5/17/2018	6:08	SIL-FL1-1130/1127RR-SINK-SIL34	Lead, ppb	<1	Less than detection level
SIL35	5/17/2018	6:09	SIL-FL1-1127-SINK-SIL35	Lead, ppb	<1	Less than detection level
SIL36	5/17/2018	6:10	SIL-FL1-1127-DF-SIL36	Lead, ppb	<1	Less than detection level
SIL37	5/17/2018	6:11	SIL-FL1-1125-SINK-SIL37	Lead, ppb	<1	Less than detection level
SIL38	5/17/2018	6:12	SIL-FL1-1125-DF-SIL38	Lead, ppb	1.88	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL39	5/17/2018	6:13	SIL-FL1-HALLWAYNEAR1114LRR-SINK-SIL39	Lead, ppb	<1	Less than detection level
SIL40	5/17/2018	6:14	SIL-FL1-HALLWAYNEAR1114RRR-SINK-SIL40	Lead, ppb	<1	Less than detection level
SIL41	5/17/2018	6:15	SIL-FL1-1114WKRM-SINK-SIL41	Lead, ppb	<1	Less than detection level
SIL42	5/17/2018	6:16	SIL-FL1-1114WKRM-DF-SIL42	Lead, ppb	1.73	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL43	5/17/2018	6:17	SIL-FL1-ELA1113-SINK-SIL43	Lead, ppb	<1	Less than detection level
SIL44	5/17/2018	6:18	SIL-FL1-ELA1113-DF-SIL44	Lead, ppb	<1	Less than detection level
SIL45	5/17/2018	6:19	SIL-FL1-1111-SINK-SIL45	Lead, ppb	2.47	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.

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SIL46	5/17/2018	6:20	SIL-FL1-1111-DF-SIL46	Lead, ppb	1.73	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL47	5/17/2018	6:21	SIL-FL1-1111RR-SINK-SIL47	Lead, ppb	<1	Less than detection level
SIL48	5/17/2018	5:35	SIL-FL1-1109-SINK-SIL48	Lead, ppb	1.63	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL49	5/17/2018	5:35	SIL-FL1-1109-DF-SIL49	Lead, ppb	2.62	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL50	5/17/2018	5:35	SIL-FL1-1109RR-SINK-SIL50	Lead, ppb	<1	Less than detection level
SIL51	5/17/2018	5:39	SIL-FL1-1107-SINK-SIL51	Lead, ppb	<1	Less than detection level
SIL52	5/17/2018	5:39	SIL-FL1-1107-DF-SIL52	Lead, ppb	<1	Less than detection level
SIL53	5/17/2018	5:39	SIL-FL1-1107RR-SINK-SIL53	Lead, ppb	<1	Less than detection level
SIL54	5/17/2018	5:40	SIL-FL1-1105-SINK-SIL54	Lead, ppb	<1	Less than detection level
SIL55	5/17/2018	5:40	SIL-FL1-1105-DF-SIL55	Lead, ppb	<1	Less than detection level
SIL56	5/17/2018	5:40	SIL-FL1-1105RR-SINK-SIL56	Lead, ppb	<1	Less than detection level
SIL57	5/17/2018	5:41	SIL-FL1-1104-SINK-SIL57	Lead, ppb	<1	Less than detection level
SIL58	5/17/2018	5:41	SIL-FL1-1104-DF-SIL58	Lead, ppb	<1	Less than detection level
SIL59	5/17/2018	5:42	SIL-FL1-1103-SINK-SIL59	Lead, ppb	<1	Less than detection level
SIL60	5/17/2018	5:42	SIL-FL1-1103-DF-SIL60	Lead, ppb	<1	Less than detection level
SIL61	5/17/2018	5:43	SIL-FL1-1102-SINK-SIL61	Lead, ppb	<1	Less than detection level
SIL62	5/17/2018	5:43	SIL-FL1-1102-DF-SIL62	Lead, ppb	<1	Less than detection level
SIL63	5/17/2018	5:44	SIL-FL1-1101-SINK-SIL63	Lead, ppb	<1	Less than detection level
SIL64	5/17/2018	5:44	SIL-FL1-1101-DF-SIL64	Lead, ppb	<1	Less than detection level
SIL65	5/17/2018	5:50	SIL-FL1-ELA1123-SINK-SIL65	Lead, ppb	<1	Less than detection level
SIL66	5/17/2018	5:50	SIL-FL1-ELA1123-DF-SIL66	Lead, ppb	<1	Less than detection level
SIL67	5/17/2018	5:51	SIL-FL1-ELA1123LRR-SINK-SIL67	Lead, ppb	<1	Less than detection level
SIL68	5/17/2018	5:51	SIL-FL1-ELA1123RRR-SINK-SIL68	Lead, ppb	<1	Less than detection level
SIL69	5/17/2018	5:52	SIL-FL1-1124-SINK-SIL69	Lead, ppb	<1	Less than detection level
SIL70	5/17/2018	5:52	SIL-FL1-1124-DF-SIL70	Lead, ppb	<1	Less than detection level

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SIL71	5/17/2018	5:55	SIL-FL2-2130MUSIC-SINK-SIL71	Lead, ppb	<1	Less than detection level
SIL72	5/17/2018	5:55	SIL-FL2-2130MUSIC-DF-SIL72	Lead, ppb	<1	Less than detection level
SIL73	5/17/2018	5:55	SIL-FL2-2135WKRM-SINK-SIL73	Lead, ppb	2.32	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL74	5/17/2018	5:57	SIL-FL2-2127FRONTDESK-SINK-SIL74	Lead, ppb	1.34	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL75	5/17/2018	5:57	SIL-FL2-2127-LSINK-SIL75	Lead, ppb	1.03	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL76	5/17/2018	5:57	SIL-FL2-2127-MSINK-SIL76	Lead, ppb	1.6	Lead detected; less than 15ppb action level. Review 3Ts Guidelines to understand options to further reduce the risk of lead.
SIL77	5/17/2018	5:58	SIL-FL2-2127-RSINK-SIL77	Lead, ppb	<1	Less than detection level
SIL78	5/17/2018	5:58	SIL-FL2-2124-SINK-SIL78	Lead, ppb	<1	Less than detection level
SIL79	5/17/2018	5:58	SIL-FL2-2124-DF-SIL79	Lead, ppb	<1	Less than detection level
SIL80	5/17/2018	6:04	SIL-FL2-HALLWAYNEAR2114LRR-SINK-SIL80	Lead, ppb	<1	Less than detection level
SIL81	5/17/2018	6:04	SIL-FL2-HALLWAYNEAR2114RRR-SINK-SIL81	Lead, ppb	<1	Less than detection level
SIL82	5/17/2018	6:06	SIL-FL2-ELA2109LRR-SINK-SIL82	Lead, ppb	<1	Less than detection level
SIL83	5/17/2018	6:06	SIL-FL2-ELA2109RRR-SINK-SIL83	Lead, ppb	<1	Less than detection level
SIL84	5/17/2018	6:07	SIL-FL2-ELA2109-SINK-SIL84	Lead, ppb	<1	Less than detection level
SIL85	5/17/2018	6:08	SIL-FL2-2108-SINK-SIL85	Lead, ppb	<1	Less than detection level
SIL86	5/17/2018	6:08	SIL-FL2-2108-DF-SIL86	Lead, ppb	<1	Less than detection level
SIL87	5/17/2018	6:09	SIL-FL2-2107-SINK-SIL87	Lead, ppb	<1	Less than detection level
SIL88	5/17/2018	6:09	SIL-FL2-2107-DF-SIL88	Lead, ppb	<1	Less than detection level
SIL89	5/17/2018	6:10	SIL-FL2-2106-SINK-SIL89	Lead, ppb	<1	Less than detection level
SIL90	5/17/2018	6:10	SIL-FL2-2106-DF-SIL90	Lead, ppb	<1	Less than detection level
SIL91	5/17/2018	6:11	SIL-FL2-2105-SINK-SIL91	Lead, ppb	<1	Less than detection level
SIL92	5/17/2018	6:11	SIL-FL2-2105-DF-SIL92	Lead, ppb	<1	Less than detection level
SIL93	5/17/2018	6:12	SIL-FL2-2104-SINK-SIL93	Lead, ppb	<1	Less than detection level

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SIL94	5/17/2018	6:12	SIL-FL2-2104-DF-SIL94	Lead, ppb	<1	Less than detection level
SIL95	5/17/2018	6:13	SIL-FL2-2103-SINK-SIL95	Lead, ppb	<1	Less than detection level
SIL96	5/17/2018	6:13	SIL-FL2-2103-DF-SIL96	Lead, ppb	<1	Less than detection level
SIL97	5/17/2018	6:15	SIL-FL2-2102-SINK-SIL97	Lead, ppb	<1	Less than detection level
SIL98	5/17/2018	6:15	SIL-FL2-2102-DF-SIL98	Lead, ppb	<1	Less than detection level
SIL99	5/17/2018	6:16	SIL-FL2-2101-SINK-SIL99	Lead, ppb	<1	Less than detection level
SIL100	5/17/2018	6:16	SIL-FL2-2101-DF-SIL100	Lead, ppb	<1	Less than detection level
SIL101	5/17/2018	6:17	SIL-FL2-ELA2122-SINK-SIL101	Lead, ppb	<1	Less than detection level
SIL102	5/17/2018	6:17	SIL-FL2-ELA2122LRR-SINK-SIL102	Lead, ppb	<1	Less than detection level
SIL103	5/17/2018	6:17	SIL-FL2-ELA2122RRR-SINK-SIL103	Lead, ppb	<1	Less than detection level
SIL104	5/17/2018	6:18	SIL-FL2-2123-SINK-SIL104	Lead, ppb	<1	Less than detection level
SIL105	5/17/2018	6:18	SIL-FL2-2123-DF-SIL105	Lead, ppb	<1	Less than detection level