Will Perkins, Superintendent
Keytesville R-III Schools
27247 Highway 5
Keytesville, Missouri 65261
Tele 660-288-3767
Fax 660-288-3110

KEYTESVILLE R-III SCHOOLS

Will Perkins, Superintendent Dan Kruse, Principal

Dear Keytesville R-III Patrons,

In 2022, the Missouri legislature passed the Get the Lead out of School Drinking Water Act (RSMo 160.077), which sets standards for lead concentrations in school drinking water. The law requires schools to conduct inventory, sampling, remediation, and monitoring at all potable drinking water outlets used or potentially be used for drinking, food preparation, and cooking or cleaning utensils. The deadline under the law is August of 2024, but Keytesville R-III completed an inventory and testing of all water sources during summer of 2023.

Results are also required to be posted on the district website and reported to the Department of Health and Senior Services (DHSS). DHSS is currently developing reporting methods and procedures.

The Environmental Protection Agency (EPA) currently has a lead drinking water standard limit of 15 micrograms per liter (ug/L) of lead in water. However, Missouri law requires that all Missouri schools achieve a 5 ug/L limit of lead in water.

I am including the results and notification from our testing company. The second round of testing has been done and we are awaiting the results. Signage has been placed in the affected areas to provide guidance until further results received and clear understanding of what method of remediation would be required. Upon completion a remediation plan will be developed and placed on the schools website.

Sincerely,

William W Perkins

William W. Perkins, Superintendent

120 East Davis Street
Fayette, MO 65248-1405
(660) 248-1911
www.inovatia.com

Date: 10/17/2023

RE: Drinking Water Lead Analysis
Facility: Keytesville R-III

Date Received: 09/08/23
Time Received: 14:52
Relinquished by: Bob Franklin
Sampler: Bob Franklin

Chain of Custody Number: Pb-0095

Enclosed please find results for the sample(s) received as described above. The values reported are in conformance with internal and method quality control guidelines.

If you have questions or need more information, please contact us.

Thank you for your interest in working with Inovatia Laboratories.

Sincerely,

Jennifer Vandelicht

Jennifer Vandelicht
Quality Assurance

Note: Testing Performed by NELAC Facility E87688

Enclosures:
Chain of Custody Record(s)

This report has been produced for the exclusive and confidential use of our clients. Reference to the analyses, the results, or the company in any news releases, advertising, or other public announcement is prohibited without obtaining prior written consent.

INOVATIA®

Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0095
Facility: Keytesville R-III

Sample Matrix: Water
Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0095-001	KEY01-SCI-HS1 -FF-001	9/7/2023	Flush	ND	1.0
Pb-0095-002	KEY01-SCI-HS2 -FF-002	9/7/2023	Flush	ND	1.0
Pb-0095-003	KEY01-SCI-HS5 -FF-003	9/7/2023	Flush	ND	1.0
Pb-0095-004	KEY01-9-HLWY-DFR -FF-004	9/7/2023	Flush	4.11	1.0
Pb-0095-005	KEY01-AG-SHP-HS1 -FF-005	9/7/2023	Flush	ND	1.0
Pb-0095-006	KEY01-AG-SHP-HS2 -FF-006	9/7/2023	Flush	1.37	1.0
Pb-0095-007	KEY01-AG-SHP-RRFR -FF-007	9/7/2023	Flush	ND	1.0
Pb-0095-008	KEY01-AG-SHP-RRFL -FF-008	9/7/2023	Flush	ND	1.0
Pb-0095-009	HEY01-OUT-CONC-HS -FF-009	9/7/2023	Flush	ND	1.0
Pb-0095-010	HEY01-OUT-CONC-RRFG -FF-010	9/7/2023	Flush	1.03	1.0
Pb-0095-011	HEY01-OUT-CONC-RRFB -FF-011	9/7/2023	Flush	ND	1.0
Pb-0095-012	KEY01-BUS-SPGT -FF-012	9/7/2023	Flush	ND	1.0
Pb-0095-013	KEY01-GLKR-SH2 -FF-013	9/7/2023	Flush	ND	1.0
Pb-0095-014	KEY01-GLKR-SH3 -FF-014	9/7/2023	Flush	1.52	1.0
Pb-0095-015	KEY01-FACS-FP1 -FF-015	9/7/2023	Flush	1.16	1.0
Pb-0095-016	KEY01-FACS-FP2 -FF-016	9/7/2023	Flush	3.80	1.0
Pb-0095-017	KEY01-FACS-FP3 -FF-017	9/7/2023	Flush	1.11	1.0
Pb-0095-018	KEY01-FACS-FP4 -FF-018	9/7/2023	Flush	1.28	1.0
Pb-0095-019	KEY01-KITCH-HS -FF-019	9/7/2023	Flush	2.29	1.0
Pb-0095-020	KEY01-KITCH-RRF -FF-020	9/7/2023	Flush	3.76	1.0
Pb-0095-021	KEY01-KITCH-FP -FF-021	9/7/2023	Flush	1.91	1.0
Pb-0095-022	KEY01-KITCH-SC2 -FF-022	9/7/2023	Flush	1.02	1.0
Pb-0095-023	KEY01-KITCH-DSH -FF-023	9/7/2023	Flush	ND	1.0
Pb-0095-024	KEY01-CAFÉ-DF -FF-024	9/7/2023	Flush	4.00	1.0
Pb-0095-025	KEY01-PREK-HS-27 -FF-025	9/7/2023	Flush	ND	1.0
Pb-0095-026	KEY01-PREK-HS-28 -FF-026	9/7/2023	Flush	1.84	1.0
Pb-0095-027	KEY01-PREK-HS-29 -FF-027	9/7/2023	Flush	ND	1.0
Pb-0095-028	KEY01-PREK-HS-30 -FF-028	9/7/2023	Flush	ND	1.0
Pb-0095-029	KEY01-PREK-HS-31 -FF-029	9/7/2023	Flush	1.32	1.0
Pb-0095-030	KEY01-PREK-HS-32 -FF-030	9/7/2023	Flush	ND	1.0
Pb-0095-031	KEY01-PREK-HS-33 -FF-031	9/7/2023	Flush	ND	1.0
Pb-0095-032	KEY01-PREK-HS-34 -FF-032	9/7/2023	Flush	1.56	1.0
Pb-0095-033	KEY01-FACS-FP-SC -FF-033	9/7/2023	Flush	ND	1.0
Pb-0095-034	KEY01-BUS-HS -FF-034	9/7/2023	Flush	ND	1.0
Pb-0095-035	KEY01-BALLFLD-HYD -FF-035	9/7/2023	Flush	1.21	1.0

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INOVATIA® LABORATORIES, LLC

120 East Davis Street
Fayette, MO 65248-1405
(660) 248-1911
www.inovatia.com

Contact Name: Bob Franklin
Company Name: Get the Lead Out LLC
Address: PO Box 118
City,State,zip Sturgeon, MO 65284
Phone Number: 417-294-6112
E-Mail: bobfranklin@gettheleadoutmo.us

Matrix: Water
Grab/Composite: Grab
Number of Containers: 35
Preservation: HNO3
Chain of Custody: Pb-0095

Facility: Keytesville R-III
Facility Address: 27247 Highway 5 Keytesville, MO 65261-2401
Facility Contact: Will Perkins

	Lab Number	*Customer Sample Number*	Date Collected
1	Pb-0095-001	KEY01-SCI-HS1 -FF-001	9/7/2023
2	Pb-0095-002	KEY01-SCI-HS2 -FF-002	9/7/2023
3	Pb-0095-003	KEY01-SCI-HS5 -FF-003	9/7/2023
4	Pb-0095-004	KEY01-9-HLWY-DFR -FF-004	9/7/2023
5	Pb-0095-005	KEY01-AG-SHP-HS1 -FF-005	9/7/2023
6	Pb-0095-006	KEY01-AG-SHP-HS2 -FF-006	9/7/2023
7	Pb-0095-007	KEY01-AG-SHP-RRFR -FF-007	9/7/2023
8	Pb-0095-008	KEY01-AG-SHP-RRFL -FF-008	9/7/2023
9	Pb-0095-009	HEY01-OUT-CONC-HS -FF-009	9/7/2023
10	Pb-0095-010	HEY01-OUT-CONC-RRFG -FF-010	9/7/2023
11	Pb-0095-011	HEY01-OUT-CONC-RRFB -FF-011	9/7/2023
12	Pb-0095-012	KEY01-BUS-SPGT -FF-012	9/7/2023
13	Pb-0095-013	KEY01-GLKR-SH2 -FF-013	9/7/2023
14	Pb-0095-014	KEY01-GLKR-SH3 -FF-014	9/7/2023
15	Pb-0095-015	KEY01-FACS-FP1 -FF-015	9/7/2023
16	Pb-0095-016	KEY01-FACS-FP2 -FF-016	9/7/2023
17	Pb-0095-017	KEY01-FACS-FP3 -FF-017	9/7/2023
18	Pb-0095-018	KEY01-FACS-FP4 -FF-018	9/7/2023
19	Pb-0095-019	KEY01-KITCH-HS -FF-019	9/7/2023
20	Pb-0095-020	KEY01-KITCH-RRF -FF-020	9/7/2023
21	Pb-0095-021	KEY01-KITCH-FP -FF-021	9/7/2023
22	Pb-0095-022	KEY01-KITCH-SC2 -FF-022	9/7/2023
23	Pb-0095-023	KEY01-KITCH-DSH -FF-023	9/7/2023
24	Pb-0095-024	KEY01-CAFÉ-DF -FF-024	9/7/2023
25	Pb-0095-025	KEY01-PREK-HS-27 -FF-025	9/7/2023
26	Pb-0095-026	KEY01-PREK-HS-28 -FF-026	9/7/2023
27	Pb-0095-027	KEY01-PREK-HS-29 -FF-027	9/7/2023
28	Pb-0095-028	KEY01-PREK-HS-30 -FF-028	9/7/2023
29	Pb-0095-029	KEY01-PREK-HS-31 -FF-029	9/7/2023
30	Pb-0095-030	KEY01-PREK-HS-32 -FF-030	9/7/2023
31	Pb-0095-031	KEY01-PREK-HS-33 -FF-031	9/7/2023
32	Pb-0095-032	KEY01-PREK-HS-34 -FF-032	9/7/2023
33	Pb-0095-033	KEY01-FACS-FP-SC -FF-033	9/7/2023
34	Pb-0095-034	KEY01-BUS-HS -FF-034	9/7/2023
35	Pb-0095-035	KEY01-BALLFLD-HYD -FF-035	9/7/2023

Delivery Method:
Coolant:
Arrival Temperature:

Sampler Signature: **Date/Time:** 9/7/2023 0630

Relinquished By: Bob Franklin **Date/Time:** 9/8/2023 1451

Received By: **Date/Time:** 9/8/23 1452

GET THE LEAD OUT LLC

Remediation Plan Recommendations

For test points at or above 5 pbb lead content, per §160.077, secure water and discontinue use until remediated unless testing proves that flushing will provide water below 5ppb.

The 35 points listed below all indicated greater than 5parts per billion during the initial draw sampling phase. All were re-tested using the flush test method, test points highlighted in green passed flush testing which indicates that supply lines are not contributing substantive amounts of lead into the water supply, but rather the outlets themselves are at fault. This can be caused by a number of factors: Hardness of the water, corrosion of iron pipes, high pH, high alkalinity, high temperatures (water heaters), high corrosivity, and the specific gravity of the materials used in construction of the outlets. As lime scale builds up it can cause a bottleneck that traps corrosion particulate matter, that then leaches into the water supply lines. Additionally, older faucets may have been manufactured before the lead/copper rule as explained in 40 CFR subpart 141.

The outlets identified below (in green) may continue to be used provided a 3-5 minute daily flush-prior to use is performed. Flushing as a stand-alone measure is not considered adequate remediation.

Shown below are the test points with initial results in yellow and flush test results in green.

Initial	Flush	Location	Recommendation
26	ND	SCIENCE ROOM 9 HAND SINK #1	Replace faucets or place hand washing only signs in close physical proximity
13.6	ND	SCIENCE ROOM 9 HAND SINK #2	
9.86	ND	SCIENCE ROOM 9 HAND SINK #5	
5.12	4.11	ROOM 9 HALLWAY- FOUNTAIN ON RIGHT	Install in-line filtration unit
7.68	ND	AG SHOP HAND SINK #1	Replace faucets or place hand washing only signs in close physical proximity or if deemed essential in-stall point of use filters
14.4	1.37	AG SHOP HAND SINK #2	
14.3	ND	AG SHOP RR SINK ON RIGHT	
6.77	ND	AG SHOP RR SINK ON LEFT	
8.44	ND	OUTSIDE CONCESSION STAND HAND SINK	Install point of use filter
6.58	1.03	OUTSIDE CONCESSION STAND GIRLS RR SINK	Replace faucets or place hand washing only signs in close physical proximity
5.82	ND	OUTSIDE CONCESSION STAND BOYS RR SINK	
13.3	ND	BUS BARN SPIGOT	Replace spigot
6.22	ND	GIRLS LOCKER ROOM SHOWER #2	Replace shower heads

Ph: 417-294-6112 Email: bobfranklin@gettheleadoutmo.us

GET THE LEAD OUT LLC

8.38	1.52	GIRLS LOCKER ROOM SHOWER #3	
6.2	1.16	FACS ROOM 19 FOOD PREP SINK #1	Install point of use filters on each faucet
36.3	3.8	FACS ROOM 19 FOOD PREP SINK #2	
17.3	1.11	FACS ROOM 19 FOOD PREP SINK #3	
78.3	1.28	FACS ROOM 19 FOOD PREP SINK #4	
64	2.29	KITCHEN-HAND SINK	Replace faucets or place hand washing only signs in close physical proximity
101	3.76	KITCHEN RR SINK	
5.48	1.91	KITCHEN FOOD PREP SINK	Install point of use filter
11.7	1.02	KITCHEN SCULLERY SPRAYER #2	Replace sprayer and consider install of in-line filter
5.26	ND	KITCHEN DISH SINK	Install point of use filter
7.75	4	CAFETERIA FOUNTAIN	Install in-line filtration unit
5.62	ND	HAND SINK PRE-K ROOM 27	Replace faucets with tall profile outlets and point of use filters
29.9	1.84	HAND SINK PRE-K ROOM 28	
12.6	ND	HAND SINK PRE-K ROOM 29	
8.62	ND	HAND SINK PRE-K ROOM 30	
27	1.32	HAND SINK PRE-K ROOM 31	
14.7	ND	HAND SINK PRE-K ROOM 32	
11.3	ND	HAND SINK PRE-K ROOM 33	
10.1	1.56	HAND SINK PRE-K ROOM 34	
24.2	ND	FACS RM FOOD PREP SINK SPRAYER	Replace sprayer
15.2	ND	BUS BARN HAND SINK	Place hand washing only sign
55.6	1.21	BALL FIELD HYDRANT	Replace hydrant or install lock to control access and use. Placement of weather proof sign to indicate "non-potable use only" is required for the second option

Some options for remediation include permanent signage stating that the outlet is “Non-Potable Hand Washing Only”, removal or replacement or the unit, or installation of point of use filtration (PUR, Brita, and Aquasana are some examples) they just need to have lead reducing filters,

Ph: 417-294-6112 Email: bobfranklin@gettheleadoutmo.us

usually NSF/ANSI standard 42/53 filters as recommended by the EPA. -NOTE- this method was shown to significantly reduce the lead levels in Flint Mi by as much as 97 %.

Those sinks that have aerators should be checked to ascertain if the aerators are dirty, have scale build up, calcification or other blockages that could be trapping contaminants. If any are noted, then it may be worthwhile to clean or replace the aerators and retest after a thorough flush. Additionally, with the number of sinks that passed flush testing, I would recommend sediment filtration be installed in-line with the water main at the building entry points.

If you desire further health information, you can contact your county health department:

Chariton County Health Department

charitonhealth.org

206 State St, Keytesville, MO 65261 · ~74.3 mi

(660) 288-3675

120 East Davis Street
Fayette, MO 65248-1405
(660) 248-1911
www.inovatia.com

Date: 8/30/2023

RE: Drinking Water Lead Analysis
Facility: Keytesville R-III

Date Received: 08/02/23
Time Received: 14:18
Relinquished by: Bob Franklin
Sampler: Bob Franklin

Chain of Custody Number: Pb-0030

Enclosed please find results for the sample(s) received as described above. The values reported are in conformance with internal and method quality control guidelines.

If you have questions or need more information, please contact us.

Thank you for your interest in working with Inovatia Laboratories.

Sincerely,

Jennifer Vandelicht

Jennifer Vandelicht
Quality Assurance

Note: Testing Performed by NELAC Facility E87688

Enclosures:
Chain of Custody Record(s)

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INOVATIA®

Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0030
Facility: Keytesville R-III

Sample Matrix: Water
Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0030-001	KEY01-BOILER-MTP-PS-001	7/29/2023	Draw	ND	1.0
Pb-0030-002	KEY01-CONC-HS-PS-002	7/29/2023	Draw	ND	1.0
Pb-0030-003	KEY01-SCI-HS1-PS-003	7/29/2023	Draw	26.0	1.0
Pb-0030-004	KEY01-SCI-HS2-PS-004	7/29/2023	Draw	13.6	1.0
Pb-0030-005	KEY01-SCI-HS3-PS-005	7/29/2023	Draw	2.79	1.0
Pb-0030-006	KEY01-SCI-HS4 PS-006	7/29/2023	Draw	ND	1.0
Pb-0030-007	KEY01-SCI-HS5 PS-007	7/29/2023	Draw	9.86	1.0
Pb-0030-008	KEY01-9-HLWY-RRFG1 PS-008	7/29/2023	Draw	ND	1.0
Pb-0030-009	KEY01-9-HLWY-RRFG2 PS-009	7/29/2023	Draw	ND	1.0
Pb-0030-010	KEY01-9-HLWY-RRFB1 PS-010	7/29/2023	Draw	ND	1.0
Pb-0030-011	KEY01-9-HLWY-RRFB2 PS-011	7/29/2023	Draw	ND	1.0
Pb-0030-012	KEY01-9-HLWY-DF-MID PS-012	7/29/2023	Draw	3.15	1.0
Pb-0030-013	KEY01-9-HLWY-DFR PS-013	7/29/2023	Draw	5.12	1.0
Pb-0030-014	KEY01-9-HLWY-DFL PS-014	7/29/2023	Draw	2.05	1.0
Pb-0030-015	KEY01-9-HLWY-DW PS-015	7/29/2023	Draw	2.34	1.0
Pb-0030-016	KEY01-ART-HS PS-016	7/29/2023	Draw	1.29	1.0
Pb-0030-017	KEY01-AG-SHP-HS1 PS-017	7/29/2023	Draw	7.68	1.0
Pb-0030-018	KEY01-AG-SHP-HS2 PS-018	7/29/2023	Draw	14.4	1.0
Pb-0030-019	KEY01-AG-SHP-RRFR PS-019	7/29/2023	Draw	14.3	1.0
Pb-0030-020	KEY01-AG-SHP-RRFL PS-020	7/29/2023	Draw	6.77	1.0
Pb-0030-021	KEY01-AG-SHP-DF PS-021	7/29/2023	Draw	1.47	1.0
Pb-0030-022	HEY01-OUT-CONC-HS PS-022	7/29/2023	Draw	8.44	1.0
Pb-0030-023	HEY01-OUT-CONC-RRFG PS-023	7/29/2023	Draw	6.58	1.0
Pb-0030-024	HEY01-OUT-CONC-RRFB PS-024	7/29/2023	Draw	5.82	1.0
Pb-0030-025	KEY01-BUS-SPGT PS-025	7/29/2023	Draw	13.3	1.0
Pb-0030-026	KEY01-GLKR-HS1 PS-026	7/29/2023	Draw	4.41	1.0
Pb-0030-027	KEY01-GLKR-HS2 PS-027	7/29/2023	Draw	2.05	1.0
Pb-0030-028	KEY01-GLKR-SH1 PS-028	7/29/2023	Draw	ND	1.0
Pb-0030-029	KEY01-GLKR-SH2 PS-029	7/29/2023	Draw	6.22	1.0
Pb-0030-030	KEY01-GLKR-SH3 PS-030	7/29/2023	Draw	8.38	1.0
Pb-0030-031	KEY01-BLKR-HS1 PS-031	7/29/2023	Draw	ND	1.0
Pb-0030-032	KEY01-BLKR-HS2 PS-032	7/29/2023	Draw	1.23	1.0
Pb-0030-033	KEY01-BLKR-SH1 PS-033	7/29/2023	Draw	2.49	1.0
Pb-0030-034	KEY01-BLKR-SH2 PS-034	7/29/2023	Draw	4.27	1.0
Pb-0030-035	KEY01-BLKR-SH3 PS-035	7/29/2023	Draw	3.73	1.0
Pb-0030-036	KEY01-TCHWR-RRF PS-036	7/29/2023	Draw	2.70	1.0

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INOVATIA®

Analysis Report

Total Lead by ICP-MS

Chain of Custody: Pb-0030
Facility: Keytesville R-III

Sample Matrix: Water
Method of Analysis: EPA 200.8

Laboratory Number	Customer Sample Number	Date Collected	Sample Type	Result ug/L (ppb)	Reporting Limit
Pb-0030-037	KEY01-FACS-FP1 PS-037	7/29/2023	Draw	6.20	1.0
Pb-0030-038	KEY01-FACS-FP2 PS-038	7/29/2023	Draw	36.3	1.0
Pb-0030-039	KEY01-FACS-FP3 PS-039	7/29/2023	Draw	17.3	1.0
Pb-0030-040	KEY01-FACS-FP4 PS-040	7/29/2023	Draw	78.3	1.0
Pb-0030-041	KEY01-KITCH-HS PS-041	7/29/2023	Draw	64.0	1.0
Pb-0030-042	KEY01-KITCH-RRF PS-042	7/29/2023	Draw	101	1.0
Pb-0030-043	KEY01-KITCH-FP PS-043	7/29/2023	Draw	5.48	1.0
Pb-0030-044	KEY01-KITCH-SC1 PS-044	7/29/2023	Draw	1.18	1.0
Pb-0030-045	KEY01-KITCH-SC2 PS-045	7/29/2023	Draw	11.7	1.0
Pb-0030-046	KEY01-KITCH-DSH PS-046	7/29/2023	Draw	5.26	1.0
Pb-0030-047	KEY01-CAFÉ-RRFG1 PS-047	7/29/2023	Draw	ND	1.0
Pb-0030-048	KEY01-CAFÉ-RRFG2 PS-048	7/29/2023	Draw	ND	1.0
Pb-0030-049	KEY01-CAFÉ-RRFB1 PS-049	7/29/2023	Draw	ND	1.0
Pb-0030-050	KEY01-CAFÉ-RRFB2 PS-050	7/29/2023	Draw	ND	1.0
Pb-0030-051	KEY01-CAFÉ-DF PS-051	7/29/2023	Draw	7.75	1.0
Pb-0030-052	KEY01-LOBBY-DF PS-052	7/29/2023	Draw	1.12	1.0
Pb-0030-053	KEY01-LOBBY-DW PS-053	7/29/2023	Draw	1.53	1.0
Pb-0030-054	KEY01-PREK-HS-27 PS-054	7/29/2023	Draw	5.62	1.0
Pb-0030-055	KEY01-PREK-HS-28 PS-055	7/29/2023	Draw	29.9	1.0
Pb-0030-056	KEY01-PREK-HS-29 PS-056	7/29/2023	Draw	12.6	1.0
Pb-0030-057	KEY01-PREK-HS-30 PS-057	7/29/2023	Draw	8.62	1.0
Pb-0030-058	KEY01-PREK-HS-31 PS-058	7/29/2023	Draw	27.0	1.0
Pb-0030-059	KEY01-PREK-DF-31 PS-059	7/29/2023	Draw	1.51	1.0
Pb-0030-060	KEY01-PREK-HS-32 PS-060	7/29/2023	Draw	14.7	1.0
Pb-0030-061	KEY01-PREK-HS-33 PS-061	7/29/2023	Draw	11.3	1.0
Pb-0030-062	KEY01-PREK-HS-34 PS-062	7/29/2023	Draw	10.1	1.0
Pb-0030-063	KEY01-FACS-FP-SC PS-063	7/29/2023	Draw	24.2	1.0
Pb-0030-064	KEY01-BUS-HS PS-064	7/29/2023	Draw	15.2	1.0
Pb-0030-065	KEY01-BALLFLD-HYD PS-065	7/29/2023	Draw	55.6	1.0

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INOVATIA® LABORATORIES, LLC

120 East Davis Street
Fayette, MO 65248-1405
(660) 248-1911
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Contact Name: Bob Franklin
Company Name: Get the Lead Out LLC
Address: PO Box 118
City,State,zip Sturgeon, MO 65284
Phone Number: 417-294-6112
E-Mail: bobfranklin@gettheleadoutmo.us

Matrix: Water
Grab/Composite: Grab
Number of Containers: 65
Preservation: HNO3
Chain of Custody: Pb-0030

Facility: Keytesville R-III
Facility Address: 27247 Highway 5 Keytesville, MO 65261-2401
Facility Contact: Will Perkins

	Lab Number	*Customer Sample Number*	Date Collected	Time Collected
1	Pb-0030-001	KEY01-BOILER-MTP-PS-001	7/29/2023	
2	Pb-0030-002	KEY01-CONC-HS-PS-002	7/29/2023	
3	Pb-0030-003	KEY01-SCI-HS1-PS-003	7/29/2023	
4	Pb-0030-004	KEY01-SCI-HS2-PS-004	7/29/2023	
5	Pb-0030-005	KEY01-SCI-HS3-PS-005	7/29/2023	
6	Pb-0030-006	KEY01-SCI-HS4 PS-006	7/29/2023	
7	Pb-0030-007	KEY01-SCI-HS5 PS-007	7/29/2023	
8	Pb-0030-008	KEY01-9-HLWY-RRFG1 PS-008	7/29/2023	
9	Pb-0030-009	KEY01-9-HLWY-RRFG2 PS-009	7/29/2023	
10	Pb-0030-010	KEY01-9-HLWY-RRFB1 PS-010	7/29/2023	
11	Pb-0030-011	KEY01-9-HLWY-RRFB2 PS-011	7/29/2023	
12	Pb-0030-012	KEY01-9-HLWY-DF-MID PS-012	7/29/2023	
13	Pb-0030-013	KEY01-9-HLWY-DFR PS-013	7/29/2023	
14	Pb-0030-014	KEY01-9-HLWY-DFL PS-014	7/29/2023	
15	Pb-0030-015	KEY01-9-HLWY-DW PS-015	7/29/2023	
16	Pb-0030-016	KEY01-ART-HS PS-016	7/29/2023	
17	Pb-0030-017	KEY01-AG-SHP-HS1 PS-017	7/29/2023	
18	Pb-0030-018	KEY01-AG-SHP-HS2 PS-018	7/29/2023	
19	Pb-0030-019	KEY01-AG-SHP-RRFR PS-019	7/29/2023	
20	Pb-0030-020	KEY01-AG-SHP-RRFL PS-020	7/29/2023	
21	Pb-0030-021	KEY01-AG-SHP-DF PS-021	7/29/2023	
22	Pb-0030-022	HEY01-OUT-CONC-HS PS-022	7/29/2023	
23	Pb-0030-023	HEY01-OUT-CONC-RRFG PS-023	7/29/2023	
24	Pb-0030-024	HEY01-OUT-CONC-RRFB PS-024	7/29/2023	
25	Pb-0030-025	KEY01-BUS-SPGT PS-025	7/29/2023	
26	Pb-0030-026	KEY01-GLKR-HS1 PS-026	7/29/2023	
27	Pb-0030-027	KEY01-GLKR-HS2 PS-027	7/29/2023	
28	Pb-0030-028	KEY01-GLKR-SH1 PS-028	7/29/2023	
29	Pb-0030-029	KEY01-GLKR-SH2 PS-029	7/29/2023	
30	Pb-0030-030	KEY01-GLKR-SH3 PS-030	7/29/2023	
31	Pb-0030-031	KEY01-BLKR-HS1 PS-031	7/29/2023	
32	Pb-0030-032	KEY01-BLKR-HS2 PS-032	7/29/2023	
33	Pb-0030-033	KEY01-BLKR-SH1 PS-033	7/29/2023	
34	Pb-0030-034	KEY01-BLKR-SH2 PS-034	7/29/2023	
35	Pb-0030-035	KEY01-BLKR-SH3 PS-035	7/29/2023	
36	Pb-0030-036	KEY01-TCHWR-RRF PS-036	7/29/2023	
37	Pb-0030-037	KEY01-FACS-FP1 PS-037	7/29/2023	
38	Pb-0030-038	KEY01-FACS-FP2 PS-038	7/29/2023	
39	Pb-0030-039	KEY01-FACS-FP3 PS-039	7/29/2023	
40	Pb-0030-040	KEY01-FACS-FP4 PS-040	7/29/2023	
41	Pb-0030-041	KEY01-KITCH-HS PS-041	7/29/2023	

42	Pb-0030-042	KEY01-KITCH-RRF PS-042	7/29/2023	
43	Pb-0030-043	KEY01-KITCH-FP PS-043	7/29/2023	
44	Pb-0030-044	KEY01-KITCH-SC1 PS-044	7/29/2023	
45	Pb-0030-045	KEY01-KITCH-SC2 PS-045	7/29/2023	
46	Pb-0030-046	KEY01-KITCH-DSH PS-046	7/29/2023	
47	Pb-0030-047	KEY01-CAFÉ-RRFG1 PS-047	7/29/2023	
48	Pb-0030-048	KEY01-CAFÉ-RRFG2 PS-048	7/29/2023	
49	Pb-0030-049	KEY01-CAFÉ-RRFB1 PS-049	7/29/2023	
50	Pb-0030-050	KEY01-CAFÉ-RRFB2 PS-050	7/29/2023	
51	Pb-0030-051	KEY01-CAFÉ-DF PS-051	7/29/2023	
52	Pb-0030-052	KEY01-LOBBY-DF PS-052	7/29/2023	
53	Pb-0030-053	KEY01-LOBBY-DW PS-053	7/29/2023	
54	Pb-0030-054	KEY01-PREK-HS-27 PS-054	7/29/2023	
55	Pb-0030-055	KEY01-PREK-HS-28 PS-055	7/29/2023	
56	Pb-0030-056	KEY01-PREK-HS-29 PS-056	7/29/2023	
57	Pb-0030-057	KEY01-PREK-HS-30 PS-057	7/29/2023	
58	Pb-0030-058	KEY01-PREK-HS-31 PS-058	7/29/2023	
59	Pb-0030-059	KEY01-PREK-DF-31 PS-059	7/29/2023	
60	Pb-0030-060	KEY01-PREK-HS-32 PS-060	7/29/2023	
61	Pb-0030-061	KEY01-PREK-HS-33 PS-061	7/29/2023	
62	Pb-0030-062	KEY01-PREK-HS-34 PS-062	7/29/2023	
63	Pb-0030-063	KEY01-FACS-FP-SC PS-063	7/29/2023	
64	Pb-0030-064	KEY01-BUS-HS PS-064	7/29/2023	
65	Pb-0030-065	KEY01-BALLFLD-HYD PS-065	7/29/2023	

Delivery Method: Hand

Coolant:

Arrival Temperature: 7|8

Sampler Signature: [signature] **Date/Time:** 7/29/23 - 0940

Relinquished By: Bob Franklin **Date/Time:** 8/2/23 -

Received By: [signature] **Date/Time:** 8/2/23 - 1418

GET THE LEAD OUT LLC

Lead Testing Initial Test Results

We received the results from the first round of lead testing. In accordance with statute, these results are being communicated to parents and staff within seven business days of receipt.

Total test points sampled—65

- Total samples with lead detected— 52(80%)
- Total samples above the action level of 5 parts per billion (ppb)—35 (53.85%)
- See Lab sheet for individual results; ND is none detected.

Immediate actions:

In accordance with guidance from the EPA, the affected faucets or outlets should have signage placed to indicate it is non-potable, not for drinking, or washing dishes. This signage can be temporary since testing is still in progress to localize the source of lead contaminants.

Of note are two drinking fountains' one in the hallway on the right by room 9, the other is by the cafeteria. Also, all sinks in the FACS room and all sinks in the kitchen. All other actionable sample results are from hand sinks and showers. All should have signage placed to indicate it is "non potable" or "do not use" until testing and remediation is complete.

Since the water main test point-Boiler room MTP was non detectable, the EPA allows for continued use of essential outlets with a daily flush plan. That is, a 5-minute flush on each affected outlet daily before use. This practice as a standalone measure is not an acceptable alternative to remediation but may be utilized for operational continuity.

Next steps:

Follow up flush samples will be collected per EPA and DHSS testing guidelines. Scheduled for September 2023. Please refer to the lab report and flush plan for individual results. These are available on the school website.

Health: **Chariton County Health Department**

charitonhealth.org

206 State St, Keytesville, MO 65261 · ~74.5 mi

(660) 288-3675

Additional information and resources on the health effects of lead contamination are available here:

https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#health

U.S. ENVIRONMENTAL PROTECTION AGENCY

Basic Information about Lead in Drinking Water | US EPA

Questions and answers about lead in drinking water -- health effects, EPA regulations et

www.epa.gov

Testing criteria:

Each sample was tested for total lead content which includes dissolved and particulate. The elevated level is defined as a level of lead ≥ 5pbb. Sampling was conducted per EPA test guidelines by initial draw after stagnation (periods of non-use that exceed eight hours). This manner of testing is the first step in localization and is paired with follow-up flush testing to further localize the source of any elevated levels.

Explanation of results:

-The initial sample test is used to determine if there is an appreciable amount of lead of more than 5ppb present in the outlet being tested.
-The lab report shows that 35 outlets (test points) have lead being leached into the water during the mandatory stagnation period.
-Follow-up flush samples will be conducted to determine the source of the contaminants. Flush testing is required to determine if the source of the lead contaminants are from the outlet alone or the supply feeder. The flush test point plan lists the test point and the noun nomenclature for reference.

Remediation:

These are efforts to mitigate and correct the levels of lead to which children and staff are exposed: The remediation plan will be posted when follow-up flush testing results are received and fiduciary constraints as well as maintenance availability have been considered.

Ph: 417-294-6112 ***Email:*** bobfranklin@gettheleadoutmo.us Mail: ***P.O. Box 118, Sturgeon, MO 65284***

Flush test points for Keytesville

SCIENCE ROOM 9 HAND SINK #1	**26**	KEY01-SCI-HS1
SCIENCE ROOM 9 HAND SINK #2	**13.6**	KEY01-SCI-HS2
SCIENCE ROOM 9 HAND SINK #5	**9.86**	KEY01-SCI-HS5
ROOM 9 HALLWAY- FOUNTAIN ON RIGHT	**5.12**	KEY01-9-HLWY-DFR
AG SHOP HAND SINK #1	**7.68**	KEY01-AG-SHP-HS1
AG SHOP HAND SINK #2	**14.4**	KEY01-AG-SHP-HS2
AG SHOP RR SINK ON RIGHT	**14.3**	KEY01-AG-SHP-RRFR
AG SHOP RR SINK ON LEFT	**6.77**	KEY01-AG-SHP-RRFL
OUTSIDE CONCESSION STAND HAND SINK	**8.44**	HEY01-OUT-CONC-HS
OUTSIDE CONCESSION STAND GIRLS RR SINK	**6.58**	HEY01-OUT-CONC-RRFG
OUTSIDE CONCESSION STAND BOYS RR SINK	**5.82**	HEY01-OUT-CONC-RRFB
BUS BARN SPIGOT	**13.3**	KEY01-BUS-SPGT
GIRLS LOCKER ROOM SHOWER #2	**6.22**	KEY01-GLKR-SH2
GIRLS LOCKER ROOM SHOWER #3	**8.38**	KEY01-GLKR-SH3
FACS ROOM 19 FOOD PREP SINK #1	**6.2**	KEY01-FACS-FP1
FACS ROOM 19 FOOD PREP SINK #2	**36.3**	KEY01-FACS-FP2
FACS ROOM 19 FOOD PREP SINK #3	**17.3**	KEY01-FACS-FP3
FACS ROOM 19 FOOD PREP SINK #4	**78.3**	KEY01-FACS-FP4
KITCHEN-HAND SINK	**64**	KEY01-KITCH-HS
KITCHEN RR SINK	**101**	KEY01-KITCH-RRF
KITCHEN FOOD PREP SINK	**5.48**	KEY01-KITCH-FP
KITCHEN SCULLERY SPRAYER #2	**11.7**	KEY01-KITCH-SC2
KITCHEN DISH SINK	**5.26**	KEY01-KITCH-DSH
CAFETERIA FOUNTAIN	**7.75**	KEY01-CAFÉ-DF
HAND SINK PRE-K ROOM 27	**5.62**	KEY01-PREK-HS-27
HAND SINK PRE-K ROOM 28	**29.9**	KEY01-PREK-HS-28
HAND SINK PRE-K ROOM 29	**12.6**	KEY01-PREK-HS-29
HAND SINK PRE-K ROOM 30	**8.62**	KEY01-PREK-HS-30
HAND SINK PRE-K ROOM 31	**27**	KEY01-PREK-HS-31
HAND SINK PRE-K ROOM 32	**14.7**	KEY01-PREK-HS-32
HAND SINK PRE-K ROOM 33	**11.3**	KEY01-PREK-HS-33
HAND SINK PRE-K ROOM 34	**10.1**	KEY01-PREK-HS-34
FACS RM FOOD PREP SINK SPRAYER	**24.2**	KEY01-FACS-FP-SC
BUS BARN HAND SINK	**15.2**	KEY01-BUS-HS
BALL FIELD HYDRANT	**55.6**	KEY01-BALLFLD-HYD