



RK Occupational & Environmental Analysis Inc.

401 St. James Ave. Phillipsburg, N.J. 08865
Telephone: 908-454-6316 Fax: 908-454-4818
rkenvironmental@entemail.net

Mold Assessment
and Remediation

June 30, 2025

Health/Safety and
Environmental
Regulatory
Compliance

Mr. Ed Sorge, CEFM
Supervisor of Buildings and Grounds
Alpha School District Board of Education
817 North Boulevard
Alpha, NJ 08865

Right-To-Know

re: **Water Sampling for Compliance with N.J.A.C. 6A:26-12.4
Lead in Drinking Water**

OSHA/EPA/DOT
Training Programs

Dear Mr. Sorge,

Asbestos and Lead
Management

We enclose the following documents and related information for compliance with the NJ Department of Education Regulation related to Lead in Drinking Water in school buildings:

Industrial Hygiene/
OSHA Compliance

Sampling Report Narrative	3 pages
Water Sampling Log and Results	2 pages
Laboratory Analytical Report (electronic copy only)	16 pages

Indoor Air Quality

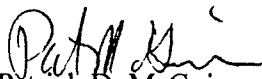
No sample result exceeded the NJ Standard of 0.015 mg/L for Lead in Drinking Water. This report along with the laboratory results should be updated on the District's website.

Underground/
Aboveground
Storage Tanks

If you have any questions, please don't hesitate to call us.

Environmental
Site Assessment

Sincerely,


Patrick D. McGuinness, MS, P.E.
Vice President

Hazardous/
Medical Waste
Management

PDM/

(file\Reports\Watertest\Alpha-251)

Environmental
Audits

Expert Witness/
Litigation Support

Customized
Software

Sampling Report - Lead in Drinking Water
White Township School District

1. Sampling Results Summary and Statistics

Sample Collection Date	Jun 11, 2025
Number of Buildings Sampled	1
Total Number of Samples Collected	10
Number of Samples with No Detectible Lead	7
Number of Samples Exceeding 15 ppb (0.015 mg/L Standard)	0
Number of Samples Exceeding 5 ppb (0.005 mg/L EPA threshold)	1
Highest Measured Lead Content (ppb)	0.008

2. Water Sampling Procedures

Sampling protocols and procedures follow the EPA “3-T’s Program” that was developed for schools and Child Care centers. They recognize that the typical school building is actually a conglomeration of an original building with one or more additions, each of which typically having different plumbing system materials.

In addition, building sections constructed before 1986 likely have plumbing systems that used leaded solders on Copper water lines. Very old buildings and public water supply systems may also still have lead piping. Other potential sources of Lead in drinking water systems include brass faucets, fittings, along with valve seats and stems that are used in the municipal and building piping distribution systems. It is important to note that “Lead-Free” plumbing components used since 1986 may actually contain up to 8% Lead by weight. In January 2014, this limit was lowered from 8% to 0.2% Lead.

The sampling protocol requires that water be collected as a “First-Draw” to ensure that the water sample has been standing for at least 8 hours. This is intended to replicate a “worst-case” situation since both the Lead levels are usually lowered significantly after running the water even for a few moments.

Drinking water samples were collected early on a weekday (not Monday) or Saturday morning before staff and students arrived for classes to represent water that has sat idle in the building piping system overnight.

All samples were collected in 250 ml contaminant-free containers. Laboratory analysis of the water samples was performed by Pace Analytical Services, LLC of Fairfield, NJ (NJ DEP

Certification Nos. NJ 07010). The analytical method is per EPA Method 200.8 via atomic absorption, induction coupled plasma technique. Contaminant-free sampling bottles are provided by the laboratory and are pre-filled with a Nitric Acid preservative that keep the dissolved compounds in suspension until laboratory analysis.

3. Sample Results and Discussion

Sampling results are discussed below and the sampling log is appended to this report. It is important to note that the laboratory results are reported in terms of milligrams per liter (mg/L). The Action Level for Lead in Drinking Water is 0.015 mg/L. This also translates to 15 parts of Lead per billion (ppb) parts of water.

A total of 10 water samples were collected on June 11, 2025. None of the samples exceeded the 0.015 mg/L standard for Lead in Drinking Water. In fact, 7 of the 10 water samples had detectable levels of Lead present just below the standard.

4. Recommendations and Future Work

All water sample results showed acceptable results for Lead content. The following responses include those required by N.J.A.C. 6A:26-12.4 and our recommendations to maintain the drinking water quality as it relates to Lead contamination.

The NJDOE regulations requires that:

- These sampling results be made publically available at the school building and on the School District's website.
- The School District shall collect drinking water samples and analyze for Lead at any drinking water outlet that has been replaced or after any alterations to the plumbing or service lines to the outlet. Do not consume or cook with water from the affected outlet until acceptable Lead results are obtained.
- Repeat water sampling within 3 years of the date of this sampling or before May 2025.

In addition, we suggest that the following responses to minimize the potential for Lead contamination of drinking water:

Administrative Responses:

- There are several factors that influence the potential for Lead corrosion in drinking water piping systems. These include the chemistry of the water supplied being supplied to the building, water temperature and velocity through the piping, the age and condition of the plumbing, and the amount of time the water sits "stagnant" in contact with piping and

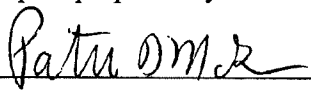
drinking water fixtures. This last factor is the only one that a building owner has any control of.

- School building codes require a minimum of one (1) drinking water tap for every 100 students of building capacity. Wherever a larger number of water taps exists, the usage factor for each tap decreases. This, in turn, increases the “stagnation time” along with the increased potential for Lead corrosion. It is recommended that the need for all current water taps be investigated and reduced where appropriate while maintaining the minimum of 1 tap per 100 students.
- Consider implementing a program to shut-off and replace (if needed) any drinking water fixture of appliance that is more than 35 years old (was installed before the 1986 Lead Ban took effect).

Operational and Maintenance Responses:

- EPA recommends that any water tap where the measured Lead content exceeds 5 parts per billion (PPB) or 5 µg/L be inspected and cleaned of line sediment to eliminate potential sources of Lead contamination. There were 1 water samples above this level.
- Use cold water only for drinking or cooking. Higher water temperatures will increase the water’s corrosion potential.
- The accumulation of line sediment on aerators and screens at the water taps is frequently the source of high levels of Lead. It is recommended that a program be established to regularly inspect for the presence of line sediment at all drinking water taps. Initially, an annual inspection is suggested. The inspection frequency should then be adjusted depending upon the amounts of sediment that is found and where it is found. Higher usage taps may accumulate sediment more quickly and need to be cleaned more often.
- It is known that flushing water through drinking water taps will reduce the levels of both Lead and Copper present in the drinking water. It is also recommended that a program be established to run water at all drinking or cooking taps for at least one minute before students and staff return to school after long breaks, especially after the Summer recess.

Report prepared by:



Patrick D. McGuinness, MS, P.E.
Vice President

Water Sampling Log

Name of Building
Building Owner

Alpha School
Alpha Board of Education

Date Collected
Sample Collected by

11-Jun-25
PD McGuinness

Sample No.	Tap No.	Sample Type	Type of Outlet	Manufacturer		Time	Lead Results	
--	1	1st	Bubbler		Hallway next to Room 7, left side ** Out of Service **	--	mg/L	%AL
--	2	1st	Bubbler		Hallway next to Room 7, right side ** Out of Service **	--	no sample	no sample
RK-0527252-01	2A	1st	Sink Faucet		Room 11	07:08	0.00820	55%
--	3	1st	Bubbler		Hallway next to Room 15, left side ** Out of Service **		no sample	no sample
--	4	1st	Bubbler		Hallway next to Room 15, right side ** Out of Service **		no sample	no sample
RK-0527252-02	5	1st	Bubbler		Hallway across from Science Closet in Breezeway	07:10	ND	-
RK-0527252-03	6	1st	Sink Faucet		Faculty Room 22	07:12	ND	-
RK-0527252-04	7	1st	Bubbler		Hallway outside Library, west end of staircase	07:15	ND	-
RK-0527252-05	8	1st	Bubbler		Hallway outside Room 3	07:17	ND	-
RK-0527252-06	9	1st	Bubbler		Hallway across from outside door #9	07:19	ND	-
--	10	1st	Bubbler		Nurse's Office	--	no sample	no sample
RK-0527252-07	11	1st	Sink Faucet		Nurse's Office	07:21	0.00448	30%
RK-0527252-08	12	1st	Chiller	Elkay	Cafeteria	07:24	ND	-
RK-0527252-09	13	1st	Sink Faucet		Kitchen sink near door	07:27	ND	-
RK-0527252-10	14	1st	Sink Faucet		Kitchen sink opposite door	07:29	0.00275	18%
								-
								-
								-
								-
								-

Sample Type: 1st: First Draw sample collected after water sat in pipe between 8 and 18 hours

FL: Water flushed through tap for at least 2 minutes

<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.002 mg/L for Lead.

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

CERTIFICATE OF ANALYSIS

Pat McGuinness

RK Occupational & Environmental

Analysis, Inc.

401 St. James Avenue

Phillipsburg, NJ 08865

Project Name and Number: **Alpha School District**

Workorder: **25F1686**

Purchase Order:

June 30, 2025

This report relates only to the sample(s) as received by the laboratory on June 13, 2025. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Caution is advised for the utilization of preliminary data included in reports labeled as "Preliminary Report" and should not be used for regulatory purposes. A laboratory signature is provided on final reports only.

If you have any questions in reference to this laboratory report, please contact your Pace Analytical Services, LLC-Fairfield project coordinator.

Note: This cover page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Timothy Swavely For Mary Ellen Nealy, Project
Coordinator

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-01 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:08
Sample ID: RK-0527252-01 (Room 11) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	0.00820		mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 05:42	06/30/2025 05:42	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-02 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:10
Sample ID: RK-0527252-02 (Hallway across from Science Closet in Breezeway) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 05:47	06/30/2025 05:47	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-03 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:12
Sample ID: RK-0527252-03 (Faculty Room 22) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 05:52	06/30/2025 05:52	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-04 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:15
Sample ID: RK-0527252-04 (Hallway outside Library, west end of staircase) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 05:57	06/30/2025 05:57	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-05 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:17
Sample ID: RK-0527252-05 (Hallway Outside room 3) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 06:01	06/30/2025 06:01	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-06 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:19
Sample ID: RK-0527252-06 (Hallway across from outside door #9) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/29/2025 23:47	06/29/2025 23:47	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-07 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:21
Sample ID: RK-0527252-07 (Nurses Office) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	0.00448		mg/L	0.000492	0.00200	EPA 200.8	06/29/2025 23:52	06/29/2025 23:52	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-08 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:24
Sample ID: RK-0527252-08 (Cafeteria) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/29/2025 23:57	06/29/2025 23:57	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-09 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:27
Sample ID: RK-0527252-09 (Kitchen Sink near door) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	ND	U	mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 00:02	06/30/2025 00:02	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Lab ID: 25F1686-10 **Matrix:** Drinking Water **Date Collected:** 06/11/2025 07:29
Sample ID: RK-0527252-10 (Kitchen Sink Opposite Door) **Date Received:** 06/13/2025 13:58

Total Metals - Pace Analytical Services, LLC-Fairfield

Analyte	Results	Flag	Units	MDL	RDL	Method	Prepared	Analyzed	Dilution
Lead	0.00275		mg/L	0.000492	0.00200	EPA 200.8	06/30/2025 00:06	06/30/2025 00:06	1

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Qualifiers

U Compound not detected

Abbreviations

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the Reporting Detection Limit (RDL)
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
<	Less than reporting limit
≤	Less than or equal to reporting limit
>	Greater than reporting limit
≥	Greater than or equal to reporting limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
MCL/AL	Maximum Contaminant Level/Action Level
mg/kg wet	Results reported as wet weight
TTLC	Total Threshold Limit Concentration
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leachate Procedure

Pace Analytical Services, LLC-Fairfield
1275 Bloomfield Ave, Ste 37D, Fairfield, NJ 07004
(P) (973) 227-0422 - www.pacelabs.com

Laboratory Certification List for this report.

Laboratory	Certification				
	NJ	NY	PA	CT	
Pace Analytical Services, LLC Ewing 812 Silvia Street Ewing, NJ 08628	11005	12046	68-05417		
Pace Analytical Services, LLC-Fairfield 1275 Bloomfield Ave, Ste 37D Fairfield, NJ 07004	07010	11634	68-02903		

Water Sampling Log

Name of Building
Building Owner

Alpha School
Alpha Board of Education

Date Collected 11-Jun-25

Sample Collected by PD McGuinness

Sample No.	Tap No.	Sample Type	Type of Outlet	Manufacturer		Time	Lead Results	
							mg/L	%AL
--	1	1st	Bubbler		Hallway next to Room 7, left side ** Out of Service **	--		no sample
--	2	1st	Bubbler		Hallway next to Room 7, right side ** Out of Service **	--		no sample
RK-0527252-01	2A	1st	Sink Faucet		Room 11	07:08		
--	3	1st	Bubbler		Hallway next to Room 15, left side ** Out of Service **			no sample
--	4	1st	Bubbler		Hallway next to Room 15, right side ** Out of Service **			no sample
RK-0527252-02	5	1st	Bubbler		Hallway across from Science Closet in Breezeway	07:10		-
RK-0527252-03	6	1st	Sink Faucet		Faculty Room 22	07:12		-
RK-0527252-04	7	1st	Bubbler		Hallway outside Library, west end of staircase	07:15		-
RK-0527252-05	8	1st	Bubbler		Hallway outside Room 3	07:17		-
RK-0527252-06	9	1st	Bubbler		Hallway across from outside door #9	07:19		-
--	10	1st	Bubbler		Nurse's Office	--		no sample
RK-0527252-07	11	1st	Sink Faucet		Nurse's Office	07:21		-
RK-0527252-08	12	1st	Chiller	Elkay	Cafeteria	07:24		-
RK-0527252-09	13	1st	Sink Faucet		Kitchen sink near door	07:27		-
RK-0527252-10	14	1st	Sink Faucet		Kitchen sink opposite door	07:29		-
								-
								-
								-
								-
								-
								-

Sample Type: 1st: First Draw sample collected after water sat in pipe between 8 and 18 hours

FL: Water flushed through tap for at least 2 minutes

<: means Not Detected at or above the Reliability Detection Limit (RDL) of 0.002 mg/L for Lead.

Sample Condition Upon Receipt Form (SCUR)



Affix Sample **25F1686**

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver to location: _____
pH: _____

Thermometer Used: 71TR05

Date: 6/13/25

Time: 14:53

Initials: PAD

State of Origin: NJ

Cooler #1 Temp. °C 23.2 (Visual) 0 (Correction Factor) 23.2 (Actual)

☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace

☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground

☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No

Seals intact: ☐ Yes ☐ No

Ice: Wet Blue Melted None

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None

☐ Other _____

Samples were collected by Pace employee

☐ Yes

☒ No

☐ N/A

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sampler Name and Signature on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: Vials, Microbiology, O&G, Metals		
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Additional Login Comments:

Client notification/ Resolution

Person Contacted:

Date/Time:

Comments/Resolution: