

January 6, 2023

SCRSD21001

Attn: Mr. Robert Rucker
Director of Operations
Scranton School District
425 North Washington Street
Scranton, PA 18503

**RE: LEAD IN DRINKING WATER SAMPLING: 2022-2023 SY RE-SAMPLING
SCRANTON SCHOOL DISTRICT
SCRANTON, PA**

Dear Mr. Rucker:

The following report is provided to document the follow-up results of the annual lead in drinking water sampling conducted for the 2022-2023 school year (SY) at the Scranton School District buildings throughout Scranton, Pennsylvania.

BACKGROUND/ACTIVITIES:

Pennoni is contracted by the **Scranton School District (District)** to provide safety, health, and environmental consulting and testing services. As part of these services Pennoni was requested to collect follow up sampling for lead in drinking water from previous consumption sources that originally tested above U.S. Environmental Protection Agency action level (15 ppb).

The initial sampling was performed by Pennoni representatives Mr. Robert Pazzaglia (Associate Health and Safety Professional) and Mr. Konnor Burke (Graduate Health and Safety Professional) from October 28, 2022, to December 6, 2022. Following the collection of 174 samples throughout the district, five (x5) were above the USEPA criteria for lead in drinking water (15 ppb).

The follow up sampling was conducted by Mr. Robert Pazzaglia on December 6, 2022, in accordance with procedures enacted by the U.S. Environmental Protection Agency¹. Samples were collected under first-draw / post-flush methodologies, with a minimum of 8-18 hours of non-use following the remedial actions of Scranton School District personnel. Sample media included new plastic containers, as supplied by the analytical laboratory, Microbac Laboratories, Inc. in Pittston, Pennsylvania. Sample locations were chosen based on the results from the initial testing.

Samples were delivered to Microbac in Pittston within the same day of collection. Samples were subsequently sent to the Microbac-Dayville, Connecticut for analysis due to capacity concerns. Microbac-Dayville is a Pennsylvania Department of Environmental Protection Accredited Laboratory (certificate number 68-04413). All samples were collected and analyzed in accordance with USEPA Method 200.8. Results, summarized in Table I were compared to the following existing USEPA criteria and action levels.

Ø USEPA²: 15 parts per billion (ppb)

The laboratory analytical report and associated chain of custody are attached in Appendix A.

¹ U.S. Environmental Protection Agency; 3Ts for reducing lead in Drinking Water

² U.S. Environmental Protection Agency; National Primary Drinking Water Regulations, Lead & Copper Rule; 40 CFR 141 Subpart I

Table 1 Summary of Analytical Results: Lead in Drinking Scranton School District December 6, 2022						
School	Location/Source	Sample ID	Results (ppb) Initial 2022	Results (ppb) Follow up (First Draw Sample) 2022	Results (ppb) Follow up (Post Flush Sample) 2022	Comments
Whitter Elementary	Floor: 2nd Source: Sink Location: Library	WHIT-09	351.0 ppb	N/A	N/A	Sink has been taken out of service/removed
Robert Morris Elementary	Floor: 1 st Source: Sink Location: Room 108 (right)	RM-04	172.0 ppb	N/A	N/A	Sink has been taken out of service/removed
McNichols Plaza Elementary	Floor: 1 st Source: Sink Location: 4 th grade sink (left)	MP-26	28.4 ppb	13.3	4.4	Sink had filter replaced.
Scranton High School	Floor: 2 nd Source: Sink Location: Kitchen Deli handwash	SHS-17	52.9 ppb	1.6	<1.0	Sink was replaced with a new sink
Northeast Intermediate	Floor: 1 st Source: Sink Location: Room 121	NEIS-07	44.9 ppb	N/A	N/A	Sink has been taken out of service/removed

N/A – not re-sampled due to sink being taken out service or labeled “Not for Human Consumption”.

ppm – parts per million

< - below the laboratory limit of detection

SUMMARY/CONCLUSIONS

Based upon our analytical results from the samples collected:

- All follow up samples collected were below the USEPA criteria for lead in drinking water (15 ppb).

For distribution points that were not re-tested, Pennoni recommends continuing with the current remedial measures in place. In the event District desires to resume the fixtures as a consumption points, long term measures such as installation of approved filter or replacement of old fixtures should be undertaken. Prior to operation, each point should be retested.

Required by Act 39 of 2018, elevated lead levels must be reported to the Pennsylvania Department of Education (PDE) and will be posted on PDE's website. The Lead in Drinking Water Report Form (PDF) should be used to report any elevated levels in schools. The completed form and/or any questions can be emailed to the PDE's Office for Safe Schools at RAEDLeadTesting@pa.gov. This data is considered health data, as identified by OSHA under the Hazard Communication Standard (29 CFR 1910.1200). As such, it should be maintained indefinitely, and its existence and employee rights of access identified on an annual basis.

If you have any questions about this report or need additional information, please contact us at 570-291-0030.

Sincerely,

PENNONI ASSOCIATES INC.



Rob Pazzaglia
Graduate Health and Safety Professional



Rocco DiPietro, CSP
Senior Health and Safety Professional

Attachments:

Appendix A – Laboratory Analytical Report and Chain of Custody

APPENDIX A

Laboratory Analytical Report and Associated Chain of Custody



Microbac Laboratories, Inc., Pittston Division

CERTIFICATE OF ANALYSIS

T2L0783

Pennoni Associates, Inc.

Robert Pazzaglia
1337 Veterans Memorial DR
Jessup, PA 18434

Project Name: Scranton: EC, MP, SHS

Project / PO Number: SCRSD21001
Received: 12/07/2022
Reported: 12/23/2022

Analytical Testing Parameters

Client Sample ID: EC-01
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-01
Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 5:57

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0016	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1353	MMC

Client Sample ID: EC-02
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-02
Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 5:58

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0011	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1354	MMC

Client Sample ID: EC-03
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-03
Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 5:59

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0069	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1356	MMC

Client Sample ID: EC-04
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-04
Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:00

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1358	MMC

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Microbac Laboratories, Inc., Pittston Division

CERTIFICATE OF ANALYSIS

T2L0783

Client Sample ID: EC-05
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-05

Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:04

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0028	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1359	MMC

Client Sample ID: EC-06
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-06

Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:06

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1402	MMC

Client Sample ID: EC-07
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-07

Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:13

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1404	MMC

Client Sample ID: EC-08
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-08

Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:08

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0015	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1406	MMC



Microbac Laboratories, Inc., Pittston Division

CERTIFICATE OF ANALYSIS

T2L0783

Client Sample ID: EC-09
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-09

Collected By: Robert Pazzaglia
Collection Date: 12/06/2022 6:11

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1407	MMC

Client Sample ID: MP-26 Retest (First Draw)
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-10

Collected By: Robert Pazzaglia
Collection Date: 12/07/2022 6:06

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0133	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1412	MMC

Client Sample ID: MP-26 Retest (Post Flush)
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-11

Collected By: Robert Pazzaglia
Collection Date: 12/07/2022 6:08

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0044	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1413	MMC

Client Sample ID: SHS-17 - Retest (First Draw)
Sample Matrix: Drinking Water
Lab Sample ID: T2L0783-12

Collected By: Robert Pazzaglia
Collection Date: 12/07/2022 6:20

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0016	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1415	MMC



Microbac Laboratories, Inc., Pittston Division

CERTIFICATE OF ANALYSIS

T2L0783

Client Sample ID: SHS-17 - Retest (Post Flush)

Sample Matrix: Drinking Water

Lab Sample ID: T2L0783-13

Collected By: Robert Pazzaglia

Collection Date: 12/07/2022 6:22

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.0010	0.015 AL	0.0010	mg/L		12/12/22 1243	12/12/22 1416	MMC

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

AL:	US EPA Action Level
MCL:	US EPA Maximum Contaminant Level
mg/L:	Milligrams per Liter
RL:	Reporting Limit

Project Requested Certification(s)

Microbac Laboratories, Inc. - Dayville
68-04413

Pennsylvania Department of Environmental Protection

Microbac Laboratories, Inc., Pittston Division
35-05082

Pennsylvania Department of Environmental Protection

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.**

Reviewed and Approved By:

Shanna Nish

Customer Relationship Specialist

Reported: 12/23/2022 16:10

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570.348.0775

4359 Linglestown Rd.
Harrisburg, PA 17112
717.651.9700

3719 Garrett Rd.
Drexel Hill, PA 19026
484.461.9722

CHAIN OF CUSTODY RECORD

Number

Instructions on back

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 17.9

Therm ID 44

Holding Time 4

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

Lab Report Address

Client Name: PENNONI

Address: 1337 Veterans Memorial Drive

City, State, Zip: Jessup, PA 18434

Contact: Rd: P. C. Tro @ Pennoni. Com

Telephone No.: 570-291-0030

Invoice Address

Client Name: -SAME-

Address:

City, State, Zip:

Contact:

Telephone No.:

Turnaround Time

[X] Routine (5 to 7 business days)

[] RUSH* (notify lab)

(needed by)

Report Type

[X] Results Only [] Level 1 [] Level 2 [] Level 3 [] Level 4 [] EDD

Send Report via: [] Mail [] Fax [X] e-mail (address)

Send Invoice via: [] Mail [] Fax [X] e-mail (address)

Project: SCRSD21001, Sayre, PA Lead Water Testing 2-22-23

Location: EC, MP, SHS

PO No.:

Compliance Monitoring? [] Yes [] No
() Agency/Program

Sampled by (PRINT): Robert Pazzaglia

Sampler Signature: [Signature]

Sampler Phone No.: 570-291-0030

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types **	Lead	Additional
	EC-01	12-6-22	0557	1	DW	G	1	✓	
	EC-02		0558					✓	
	EC-03		0559					✓	
	EC-04		0600					✓	
	EC-05		0604					✓	
	EC-06		0606					✓	
	EC-07		0613					✓	
	EC-08		0608					✓	
	EC-09		0611					✓	
	MP-26, Retest (First Draw)	12-7-22	0606					✓	

Possible Hazard Identification
Comments

[] Hazardous [X] Non-Hazardous [] Radioactive

Sample Disposition [X] Dispose as appropriate [] Return [] Archive

Relinquished By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Received By (signature)

Date/Time

Received By (signature)

Date/Time

Pennoni Associates, Inc. - Jessup
P.M.: Shanna Nish





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3719 Garrett Rd.
Drexel Hill, PA 19026
484.461.9722

CHAIN OF CUSTODY RECORD

Number

Instructions on back

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 17.9

Therm ID 4

Holding Time 4

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

Lab Report Address

Client Name: PENNONI

Address: 1337 Veterans Memorial Drive

City, State, Zip: Jessup, PA 18434

Contact:

Telephone No.: 570-291-0030

Invoice Address

Client Name: -SAME-

Address:

City, State, Zip:

Contact:

Telephone No.:

Turnaround Time

☒ Routine (5 to 7 business days)
☐ RUSH* (notify lab)

Report Type

☒ Results Only ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ EDD

Send Report via: ☐ Mail ☐ Fax ☒ e-mail (address)

Send Invoice via: ☐ Mail ☐ Fax ☒ e-mail (address)

Project:

Location:

PO No.:

Compliance Monitoring? ☐ Yes ☐ No
() Agency/Program

Sampled by (PRINT):

Sampler
Signature:

Sampler Phone 570-291-0030
No.:

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types **	Additional N
	MP-26, Retest (Post Flush)	12-7-22	0608	1	DW	6	1	✓
	SHS-17, Retest (First Draw)	↓	0620	↓	↓	↓	↓	✓
	SHS-17, Retest (Post Flush)	↓	0622	↓	↓	↓	↓	✓

Possible Hazard Identification
Comments

☐ Hazardous ☐ Non-Hazardous ☐ Radioactive

Sample Disposition ☐ Dispose as appropriate ☐ Return ☐ Archive

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Pennoni Associates, Inc. - Jessup
PM: Shanna Nish

