



May 8, 2024

West Chester Area School District
782 Springdale Drive
Exton, PA 19341

Attention: Mr. Mark Groves

Reference: Potable Water Sampling for Lead & Copper
West Chester Area SD Schools
Criterion's Project Number: **240915**

Dear Mr. Groves,

On April 20, 2024, Mr. Christian Rodebaugh of Criterion Laboratories, Inc. (Criterion) collected water samples to be analyzed for lead and copper from drinking water outlets in each of the seventeen schools within the West Chester Area School District.

Mr. Rodebaugh collected 250 milliliter (ml), first draw samples for lead and copper. A total of twenty-three (23) samples were collected from the schools. All samples were analyzed at Criterion in Bensalem, PA.

The Environmental Protection Agency (EPA) has established a current Action Level for lead in public drinking water of 0.015 milligrams per liter (mg/L) or 15 parts per billion (ppb) and 1.3 mg/L or 1.3 ppm for copper.

Laboratory analysis revealed lead concentrations below the applicable EPA Action Levels in twenty-two (22) of the twenty-three (23) samples collected. The sample collected from the East High School Concession Building revealed lead concentration of 27 ppb. This outlet should be flushed and re-tested prior to use. Copper concentrations were below the EPA Action Level in all samples collected.

Please feel free to call me with any questions at 215-244-1300, extension 1030.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric Wysocki', with a stylized flourish at the end.

Eric Wysocki
Project Manager

Attachment



ICP: Results of Lead in Drinking Water

Client	<u>West Chester Area School District</u>	Site Address	<u>West Chester Area School District, 17 Schools</u>	Sample Date	<u>4/20/2024</u>
Project #	<u>240915</u>		<u>West Chester School District - 17 Schools</u>	Sample Received Date	<u>4/22/2024</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Marrs, Collin</u>	Sample Analysis Date(s)	<u>4/24/2024</u>

Sample Number	Collected	Location / Description	Lead (ppb)
240915-07-023-01-01	4/20/2024 08:00	East Goshen Elementary School - Ground Floor Hallway Outside of Main Office	< RL
240915-07-023-01-02	4/20/2024 08:15	East High School - Ground Floor Hallway outside of Nurses Office	< RL
240915-07-023-01-03	4/20/2024 08:20	East High School - Ground Floor Nurses Office 109	< RL
240915-07-023-01-04	4/20/2024 08:25	East High School - Concession Building (Out Building) by Football Field	26.6905
240915-07-023-01-05	4/20/2024 08:30	Fugett Middle School - Ground Floor Hallway outside of Custodial Office	< RL
240915-07-023-01-06	4/20/2024 08:45	Glenn Acres Elementary School - Ground Floor Hallway outside of Classroom 120 (Fifth Grade Hallway)	< RL
240915-07-023-01-07	4/20/2024 09:00	Penn Wood Elementary School - Ground Floor Hallway across from Student Services Room A003	< RL
240915-07-023-01-08	4/20/2024 09:15	Rustin High School - Ground Floor Hallway outside of Classroom B230	< RL
240915-07-023-01-09	4/20/2024 09:20	Rustin High School - Ground Floor Hallway outside of Classroom A203	< RL
240915-07-023-01-10	4/20/2024 09:25	Rustin High School - Concession Building (Out Building) behind Men's Public Restrooms by Football Field	3.5985
240915-07-023-01-11	4/20/2024 09:30	Westtown-Thornbury Elementary School - Ground Floor Hallway outside of Custodial Closet 55C	< RL
240915-07-023-01-12	4/20/2024 09:45	Sarah W. Starkweather Elementary School - Ground Floor Hallway in between Classroom 1 and Classroom 2	2.483
240915-07-023-01-13	4/20/2024 10:00	G.A. Stetson Middle School - Ground Floor Hallway outside of Space C119	< RL
240915-07-023-01-14	4/20/2024 10:15	Fern Hill Elementary School - Ground Floor Hallway outside of Space A003 (IDF/Electric Room)	< RL
240915-07-023-01-15	4/20/2024 10:30	Henderson High School - Ground Floor Hallway across from Counseling Suite next to Girl's Restroom	< RL
240915-07-023-01-16	4/20/2024 10:35	Henderson High School - Ground Floor Nurse's Office	1.476
240915-07-023-01-17	4/20/2024 10:40	Henderson High School - Utility Room underneath Bleachers/Stands by Football Field (adjacent to Locker Room)	< RL
240915-07-023-01-18	4/20/2024 10:45	Hillsdale Elementary School - Ground Floor Hallway outside of Classroom 111	< RL
240915-07-023-01-19	4/20/2024 11:00	East Bradford Elementary School - Ground Floor Hallway across from Main Office	< RL
240915-07-023-01-20	4/20/2024 11:15	Mary C. Howse Elementary School - Ground Floor Hallway outside of Cafeteria	< RL
240915-07-023-01-21	4/20/2024 11:30	E.N. Peirce Middle School - Ground Floor Hallway outside of Gym and Space G132	< RL
240915-07-023-01-22	4/20/2024 11:45	Greystone Elementary School - Ground Floor Nurses Office 101	< RL
240915-07-023-01-23	4/20/2024 12:00	Exton Elementary School - Ground Floor Nurses Office 102	< RL

Sample Count 23



ICP: Results of Lead in Drinking Water

Client	<u>West Chester Area School District</u>	Site Address	<u>West Chester Area School District, 17 Schools</u>	Sample Date	<u>4/20/2024</u>
Project #	<u>240915</u>		<u>West Chester School District - 17 Schools</u>	Sample Received Date	<u>4/22/2024</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Marrs, Collin</u>	Sample Analysis Date(s)	<u>4/24/2024</u>

James A. Weltz, CIH, Technical Director

Reporting limit is 1.00 ppb. Criterion Laboratories, Inc. bears no responsibility for sample collection activities of non-Criterion personnel. This report relates only to the samples reported above, and when reproduced, must be in its entirety. Estimated accuracy, precision and uncertainty data available on request. QC data associated with this sample set is within acceptable limits. Samples were received in good condition, unless otherwise noted.

Note: If your project number ends with an "R", it is a revised report and replaces the original document in full. Samples are analyzed by Criterion Laboratories, Inc. using EPA Method 200.5: Determination of Trace Elements in Drinking Water by Axially Viewed Inductively Coupled Plasma - Atomic Emission Spectrometry and CLI Method 446

Criterion Laboratories, Inc. (ID 100424) is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the IHLAP; EMLAP and ELLAP accreditation programs for Polarized Light Microscopy (PLM), Phase Contrast Microscopy (PCM); Air-Direct Examination; and Airborne Dust, Paint, Settled Dust by Wipe and Soil for Fields of Testing as documented by the Scope of Accreditation Certificate and associated Scope. Additionally, Criterion Laboratories, Inc. is certified by the Center for Disease Control (CDC) Environmental Legionella Isolation Techniques Evaluation (ELITE) Program for the determination of Legionella in water by culture and holds accreditation from the National Voluntary Laboratory Accreditation Program (NVLAP ID 102046-0) for the determination of asbestos in bulk samples by Polarized Light Microscopy (PLM). This test report must not be used to claim product endorsement by NVLAP, NIST, AIHA or any agency of the US Government. Unless specifically listed as above, these test results are not covered under AIHA-LAP, LLC, 100424 accreditation.

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Chain of Custody

Matrix Water - Potable
Analyte Lead
Analysis Type ICP-AES
Container Bottle 250 ml
Project 240915
Client West Chester Area School District
Site Address West Chester Area School District, 17 Schools
Location West Chester School District - 17 Schools
Turnaround 72 Hour
Field Tech Christian Rodebaugh
Sample Notes
Chain of Custody Notes

Additional Analytes

Sample Number	Location	Description	Received Condition	Date	Notes
240915-07-023-01-01	East Goshen Elementary School	Ground Floor Hallway Outside of Main Office	Good	4/20/2024	
240915-07-023-01-02	East High School	Ground Floor Hallway outside of Nurses Office	Good	4/20/2024	
240915-07-023-01-03	East High School	Ground Floor Nurses Office 109	Good	4/20/2024	
240915-07-023-01-04	East High School	Concession Building (Out Building) by Football Field	Good	4/20/2024	
240915-07-023-01-05	Fugett Middle School	Ground Floor Hallway outside of Custodial Office	Good	4/20/2024	
240915-07-023-01-06	Glenn Acres Elementary School	Ground Floor Hallway outside of Classroom 120 (Fifth Grade Hallway)	Good	4/20/2024	
240915-07-023-01-07	Penn Wood Elementary School	Ground Floor Hallway across from Student Services Room A003	Good	4/20/2024	
240915-07-023-01-08	Rustin High School	Ground Floor Hallway outside of Classroom B230	Good	4/20/2024	
240915-07-023-01-09	Rustin High School	Ground Floor Hallway outside of Classroom A203	Good	4/20/2024	



Chain of Custody

240915-07-023-01-10	Rustin High School	Concession Building (Out Building) behind Men's Public Restrooms by Football Field	Good	4/20/2024
240915-07-023-01-11	Westtown-Thornbury Elementary School	Ground Floor Hallway outside of Custodial Closet 55C	Good	4/20/2024
240915-07-023-01-12	Sarah W. Starkweather Elementary School	Ground Floor Hallway in between Classroom 1 and Classroom 2	Good	4/20/2024
240915-07-023-01-13	G.A. Stetson Middle School	Ground Floor Hallway outside of Space C119	Good	4/20/2024
240915-07-023-01-14	Fern Hill Elementary School	Ground Floor Hallway outside of Space A003 (IDF/Electric Room)	Good	4/20/2024
240915-07-023-01-15	Henderson High School	Ground Floor Hallway across from Counseling Suite next to Girl's Restroom	Good	4/20/2024
240915-07-023-01-16	Henderson High School	Ground Floor Nurse's Office	Good	4/20/2024
240915-07-023-01-17	Henderson High School	Utility Room underneath Bleachers/Stands by Football Field (adjacent to Locker Room)	Good	4/20/2024
240915-07-023-01-18	Hillsdale Elementary School	Ground Floor Hallway outside of Classroom 111	Good	4/20/2024
240915-07-023-01-19	East Bradford Elementary School	Ground Floor Hallway across from Main Office	Good	4/20/2024
240915-07-023-01-20	Mary C. Howse Elementary School	Ground Floor Hallway outside of Cafeteria	Good	4/20/2024
240915-07-023-01-21	E.N. Peirce Middle School	Ground Floor Hallway outside of Gym and Space G132	Good	4/20/2024
240915-07-023-01-22	Greystone Elementary School	Ground Floor Nurses Office 101	Good	4/20/2024
240915-07-023-01-23	Exton Elementary School	Ground Floor Nurses Office 102	Good	4/20/2024

Sample Count 23

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Eric Wysocki	4/20/2024		
Send Reports To	West Chester Area School District	4/20/2024		
Samples Taken By	Christian Rodebaugh	4/20/2024	08:00	



Chain of Custody

Transported By	Christian Rodebaugh	4/20/2024	12:00
Relinquished By	Christian Rodebaugh	4/20/2024	13:00
Received By	Collin Marrs	4/22/2024	08:31
Analyzed By	Collin Marrs	4/24/2024	14:17
Reviewed By	Andrew Schwab	4/25/2024	09:03



Certificate of Analysis

Method 537- Polyfluorinated Compounds

Client: West Chester School District Site Address: Various Locations-17 Schools Collection Date/Date: 4/20/24
 Project #: 240915 Sample Received Date: 4/22/24
 Analyst: C. Marrs Analysis Date/Time: 4/30/24

Sample Number:	Copper Result [parts per Million (ppm)]
240915-07-023-01-01	0.348
240915-07-023-01-02	0.460
240915-07-023-01-03	0.135
240915-07-023-01-04	0.514
240915-07-023-01-05	0.048
240915-07-023-01-06	0.120
240915-07-023-01-07	0.364
240915-07-023-01-08	0.126
240915-07-023-01-09	0.134
240915-07-023-01-10	0.653
240915-07-023-01-11	0.266
240915-07-023-01-12	0.182
240915-07-023-01-13	0.107
240915-07-023-01-14	0.130
240915-07-023-01-15	0.073
240915-07-023-01-16	0.256
240915-07-023-01-17	0.115
240915-07-023-01-18	0.085
240915-07-023-01-19	0.067
240915-07-023-01-20	0.137
240915-07-023-01-21	1.020
240915-07-023-01-22	0.0521
240915-07-023-01-23	0.321

James A. Weltz, Technical Director

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