



July 20, 2023

Lower Moreland Township School District  
2551 Murray Avenue  
Huntingdon Valley, PA 19006

**Attention:** Mr. Lance Freeman

**Reference:** Water Sampling for Lead – Pine Road Elementary School  
3737 Pine Road, Huntingdon Valley, PA  
Criterion's Project Number: **231608**

Dear Mr. Freeman,

On July 12, 2023, Will Shaw, an Industrial Hygienist of Criterion Laboratories, Inc. (Criterion) collected water samples from all outlets in the Pine Road Elementary School used for drinking and cooking to be analyzed for lead.

Criterion collected a 250 milliliter (ml), first draw sample at each outlet, which were analyzed at Criterion in Bensalem, PA. The method used for analysis was Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

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).

A total of seventy-three (73) samples were collected in the school. All seventy-three (73) samples met the EPA standard for lead in drinking water. No corrective action is required at this time.

Please feel free to call me with any questions at 215-244-1300, extension 1032.

Sincerely,

A handwritten signature in black ink, appearing to read 'Melissa Billingsley', is written over a light blue horizontal line.

Melissa Billingsley  
Project Manager

Attachment



## ICP: Results of Lead in Drinking Water

Client	<u>Lower Moreland Township School District</u>	Site Address	<u>Pine Road Elementary School, 3737 Pine Road, Huntingdon Valley, PA 19006</u>	Sample Date	<u>7/12/2023</u>
Project #	<u>231608</u>			Sample Received Date	<u>7/12/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Schwab, Andrew</u>	Sample Analysis Date(s)	<u>7/13/2023</u> <u>7/14/2023</u>

Sample Number	Collected	Location / Description	Lead (ppb)
231608-07-023-03-01	7/12/2023 07:00	Pine Road Elementary - 1st floor classroom 53 fountain	< RL
231608-07-023-03-02	7/12/2023 07:02	Pine Road Elementary - 1st floor classroom 54 fountain	< RL
231608-07-023-03-03	7/12/2023 07:04	Pine Road Elementary - 1st floor classroom 55 fountain	< RL
231608-07-023-03-04	7/12/2023 07:06	Pine Road Elementary - 1st floor classroom 56 fountain	< RL
231608-07-023-03-05	7/12/2023 07:08	Pine Road Elementary - 1st floor classroom 57 fountain	< RL
231608-07-023-03-06	7/12/2023 07:10	Pine Road Elementary - 1st floor classroom 58 fountain	< RL
231608-07-023-03-07	7/12/2023 07:12	Pine Road Elementary - Multipurpose room fountain B	< RL
231608-07-023-03-08	7/12/2023 07:14	Pine Road Elementary - Hallway by nurse's office fountain	< RL
231608-07-023-03-09	7/12/2023 07:16	Pine Road Elementary - Nurse's office fountain #1	< RL
231608-07-023-03-10	7/12/2023 07:18	Pine Road Elementary - Nurse's office fountain #2	2.2
231608-07-023-03-11	7/12/2023 07:20	Pine Road Elementary - Faculty room 1st floor fountain #1	< RL
231608-07-023-03-12	7/12/2023 07:22	Pine Road Elementary - Faculty room 1st floor fountain #2	< RL
231608-07-023-03-13	7/12/2023 07:24	Pine Road Elementary - 1st floor classroom 37 fountain	< RL
231608-07-023-03-14	7/12/2023 07:26	Pine Road Elementary - 1st floor classroom 10 fountain #1	< RL
231608-07-023-03-15	7/12/2023 07:28	Pine Road Elementary - 1st floor classroom 10 fountain #2	< RL
231608-07-023-03-16	7/12/2023 07:30	Pine Road Elementary - 1st floor classroom 11 fountain #1	< RL
231608-07-023-03-17	7/12/2023 07:32	Pine Road Elementary - 1st floor classroom 11 fountain #2	< RL
231608-07-023-03-18	7/12/2023 07:34	Pine Road Elementary - 1st floor classroom 14 fountain #1	< RL
231608-07-023-03-19	7/12/2023 07:36	Pine Road Elementary - 1st floor classroom 14 fountain #2	< RL
231608-07-023-03-20	7/12/2023 07:37	Pine Road Elementary - 1st floor classroom 15 fountain #1	< RL
231608-07-023-03-21	7/12/2023 07:38	Pine Road Elementary - 1st floor classroom 15 fountain #2	< RL
231608-07-023-03-22	7/12/2023 07:39	Pine Road Elementary - 1st floor classroom 16 fountain	< RL
231608-07-023-03-23	7/12/2023 07:40	Pine Road Elementary - 1st floor classroom 17 fountain	< RL
231608-07-023-03-24	7/12/2023 07:42	Pine Road Elementary - 1st floor classroom 20 fountain	< RL
231608-07-023-03-25	7/12/2023 07:43	Pine Road Elementary - Library hallway fountain	< RL
231608-07-023-03-26	7/12/2023 07:44	Pine Road Elementary - 1st floor library fountain	< RL
231608-07-023-03-27	7/12/2023 07:45	Pine Road Elementary - 1st floor classroom 27 fountain	< RL
231608-07-023-03-28	7/12/2023 07:46	Pine Road Elementary - 1st floor classroom 29 fountain	< RL
231608-07-023-03-29	7/12/2023 07:47	Pine Road Elementary - 1st floor classroom 28 fountain	6.9
231608-07-023-03-30	7/12/2023 07:48	Pine Road Elementary - 1st floor classroom 30 fountain	< RL
231608-07-023-03-31	7/12/2023 07:49	Pine Road Elementary - 1st floor classroom 31 fountain	3.2
231608-07-023-03-32	7/12/2023 07:51	Pine Road Elementary - 1st floor classroom 32 fountain	< RL
231608-07-023-03-33	7/12/2023 07:53	Pine Road Elementary - 1st floor classroom 35 fountain	< RL



## ICP: Results of Lead in Drinking Water

Client	<u>Lower Moreland Township School District</u>	Site Address	<u>Pine Road Elementary School, 3737 Pine Road, Huntingdon Valley, PA 19006</u>	Sample Date	<u>7/12/2023</u>
Project #	<u>231608</u>			Sample Received Date	<u>7/12/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Schwab, Andrew</u>	Sample Analysis Date(s)	<u>7/13/2023</u> <u>7/14/2023</u>

Sample Number	Collected	Location / Description	Lead (ppb)
231608-07-023-03-34	7/12/2023 07:55	Pine Road Elementary - 1st floor classroom 34 fountain	8.5
231608-07-023-03-35	7/12/2023 07:58	Pine Road Elementary - 1st floor hallway by classroom 80 fountain A	< RL
231608-07-023-03-36	7/12/2023 07:59	Pine Road Elementary - 1st floor hallway by classroom 80 fountain B	< RL
231608-07-023-03-37	7/12/2023 08:00	Pine Road Elementary - 1st floor classroom 81 fountain	< RL
231608-07-023-03-38	7/12/2023 08:01	Pine Road Elementary - 1st floor classroom 82 fountain	3.4
231608-07-023-03-39	7/12/2023 08:02	Pine Road Elementary - 1st floor classroom 83 fountain	< RL
231608-07-023-03-40	7/12/2023 08:03	Pine Road Elementary - 1st floor classroom 84 fountain	< RL
231608-07-023-03-41	7/12/2023 08:04	Pine Road Elementary - 1st floor classroom 85 fountain	< RL
231608-07-023-03-42	7/12/2023 08:05	Pine Road Elementary - 1st floor classroom 86 fountain	< RL
231608-07-023-03-43	7/12/2023 08:06	Pine Road Elementary - 1st floor classroom 87 fountain	< RL
231608-07-023-03-44	7/12/2023 08:07	Pine Road Elementary - 1st floor classroom 88 fountain	< RL
231608-07-023-03-45	7/12/2023 08:08	Pine Road Elementary - 1st floor classroom 89 fountain	< RL
231608-07-023-03-46	7/12/2023 08:11	Pine Road Elementary - Classroom 65 fountain	< RL
231608-07-023-03-47	7/12/2023 08:13	Pine Road Elementary - Hallway outside classroom 60 fountain A	< RL
231608-07-023-03-48	7/12/2023 08:14	Pine Road Elementary - Hallway outside classroom 60 fountain B	< RL
231608-07-023-03-49	7/12/2023 08:17	Pine Road Elementary - 2nd floor classroom 109 fountain	< RL
231608-07-023-03-50	7/12/2023 08:18	Pine Road Elementary - 2nd floor classroom 110 fountain	< RL
231608-07-023-03-51	7/12/2023 08:19	Pine Road Elementary - 2nd floor classroom 111 fountain	< RL
231608-07-023-03-52	7/12/2023 08:20	Pine Road Elementary - 2nd floor classroom 112 fountain	< RL
231608-07-023-03-53	7/12/2023 08:22	Pine Road Elementary - 2nd floor classroom 105 fountain	< RL
231608-07-023-03-54	7/12/2023 08:23	Pine Road Elementary - 2nd floor classroom 106 fountain	< RL
231608-07-023-03-55	7/12/2023 08:24	Pine Road Elementary - 2nd floor classroom 107 fountain	< RL
231608-07-023-03-56	7/12/2023 08:25	Pine Road Elementary - 2nd floor classroom 108 fountain	< RL
231608-07-023-03-57	7/12/2023 08:26	Pine Road Elementary - 2nd floor classroom 101 fountain	< RL
231608-07-023-03-58	7/12/2023 08:27	Pine Road Elementary - 2nd floor classroom 102 fountain	< RL
231608-07-023-03-59	7/12/2023 08:28	Pine Road Elementary - 2nd floor classroom 103 fountain	< RL
231608-07-023-03-60	7/12/2023 08:29	Pine Road Elementary - 2nd floor classroom 104 fountain	< RL
231608-07-023-03-61	7/12/2023 08:31	Pine Road Elementary - 2nd floor hallway fountain #1	< RL
231608-07-023-03-62	7/12/2023 08:32	Pine Road Elementary - 2nd floor hallway fountain #2	< RL
231608-07-023-03-63	7/12/2023 08:35	Pine Road Elementary - 1st floor classroom 49 fountain	< RL
231608-07-023-03-64	7/12/2023 08:37	Pine Road Elementary - 1st floor classroom 50 fountain	< RL
231608-07-023-03-65	7/12/2023 08:39	Pine Road Elementary - 1st floor classroom 47 fountain	< RL
231608-07-023-03-66	7/12/2023 08:42	Pine Road Elementary - 1st floor classroom 48 fountain	< RL



## ICP: Results of Lead in Drinking Water

Client	<u>Lower Moreland Township School District</u>	Site Address	<u>Pine Road Elementary School, 3737 Pine Road, Huntingdon Valley, PA 19006</u>	Sample Date	<u>7/12/2023</u>
Project #	<u>231608</u>			Sample Received Date	<u>7/12/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Schwab, Andrew</u>	Sample Analysis Date(s)	<u>7/13/2023</u> <u>7/14/2023</u>

Sample Number	Collected	Location / Description	Lead (ppb)
231608-07-023-03-67	7/12/2023 08:44	Pine Road Elementary - Hallway outside classroom 48 fountain	< RL
231608-07-023-03-68	7/12/2023 08:46	Pine Road Elementary - 1st floor classroom 45 fountain	< RL
231608-07-023-03-69	7/12/2023 08:48	Pine Road Elementary - 1st floor classroom 46 fountain	< RL
231608-07-023-03-70	7/12/2023 08:51	Pine Road Elementary - 1st floor classroom 39 fountain A	< RL
231608-07-023-03-71	7/12/2023 08:52	Pine Road Elementary - 1st floor classroom 39 fountain B	< RL
231608-07-023-03-72	7/12/2023 08:55	Pine Road Elementary - Cafeteria fountain A	< RL
231608-07-023-03-73	7/12/2023 08:57	Pine Road Elementary - Cafeteria fountain B	< RL

Sample Count 73

James A. Weltz, CIH, Technical Director

Reporting limit is 2.00 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.

**THIS IS THE LAST PAGE OF THE REPORT**



# Chain of Custody

**Matrix** Water - Potable  
**Analyte** Lead  
**Analysis Type** ICP-AES  
**Container** Bottle 250 ml  
**Project** 231608  
**Client** Lower Moreland Township School District  
**Site Address** Pine Road Elementary School, 3737 Pine Road,  
Huntingdon Valley, PA 19006  
**Location**  
**Turnaround** 48 Hour  
**Field Tech** Will Shaw  
**Sample Notes** Multipurpose room fountain A broken  
**Chain of Custody Notes**

## Additional Analytes

Sample Number	Location	Description	Received Condition	Date	Notes
231608-07-023-03-01	Pine Road Elementary	1st floor classroom 53 fountain	Good	7/12/2023	
231608-07-023-03-02	Pine Road Elementary	1st floor classroom 54 fountain	Good	7/12/2023	
231608-07-023-03-03	Pine Road Elementary	1st floor classroom 55 fountain	Good	7/12/2023	
231608-07-023-03-04	Pine Road Elementary	1st floor classroom 56 fountain	Good	7/12/2023	
231608-07-023-03-05	Pine Road Elementary	1st floor classroom 57 fountain	Good	7/12/2023	
231608-07-023-03-06	Pine Road Elementary	1st floor classroom 58 fountain	Good	7/12/2023	
231608-07-023-03-07	Pine Road Elementary	Multipurpose room fountain B	Good	7/12/2023	
231608-07-023-03-08	Pine Road Elementary	Hallway by nurse's office fountain	Good	7/12/2023	
231608-07-023-03-09	Pine Road Elementary	Nurse's office fountain #1	Good	7/12/2023	
231608-07-023-03-10	Pine Road Elementary	Nurse's office fountain #2	Good	7/12/2023	
231608-07-023-03-11	Pine Road Elementary	Faculty room 1st floor fountain #1	Good	7/12/2023	
231608-07-023-03-12	Pine Road Elementary	Faculty room 1st floor fountain #2	Good	7/12/2023	
231608-07-023-03-13	Pine Road Elementary	1st floor classroom 37 fountain	Good	7/12/2023	
231608-07-023-03-14	Pine Road Elementary	1st floor classroom 10 fountain #1	Good	7/12/2023	
231608-07-023-03-15	Pine Road Elementary	1st floor classroom 10 fountain #2	Good	7/12/2023	



# Chain of Custody

231608-07-023-03-16	Pine Road Elementary	1st floor classroom 11 fountain #1	Good	7/12/2023
231608-07-023-03-17	Pine Road Elementary	1st floor classroom 11 fountain #2	Good	7/12/2023
231608-07-023-03-18	Pine Road Elementary	1st floor classroom 14 fountain #1	Good	7/12/2023
231608-07-023-03-19	Pine Road Elementary	1st floor classroom 14 fountain #2	Good	7/12/2023
231608-07-023-03-20	Pine Road Elementary	1st floor classroom 15 fountain #1	Good	7/12/2023
231608-07-023-03-21	Pine Road Elementary	1st floor classroom 15 fountain #2	Good	7/12/2023
231608-07-023-03-22	Pine Road Elementary	1st floor classroom 16 fountain	Good	7/12/2023
231608-07-023-03-23	Pine Road Elementary	1st floor classroom 17 fountain	Good	7/12/2023
231608-07-023-03-24	Pine Road Elementary	1st floor classroom 20 fountain	Good	7/12/2023
231608-07-023-03-25	Pine Road Elementary	Library hallway fountain	Good	7/12/2023
231608-07-023-03-26	Pine Road Elementary	1st floor library fountain	Good	7/12/2023
231608-07-023-03-27	Pine Road Elementary	1st floor classroom 27 fountain	Good	7/12/2023
231608-07-023-03-28	Pine Road Elementary	1st floor classroom 29 fountain	Good	7/12/2023
231608-07-023-03-29	Pine Road Elementary	1st floor classroom 28 fountain	Good	7/12/2023
231608-07-023-03-30	Pine Road Elementary	1st floor classroom 30 fountain	Good	7/12/2023
231608-07-023-03-31	Pine Road Elementary	1st floor classroom 31 fountain	Good	7/12/2023
231608-07-023-03-32	Pine Road Elementary	1st floor classroom 32 fountain	Good	7/12/2023
231608-07-023-03-33	Pine Road Elementary	1st floor classroom 35 fountain	Good	7/12/2023
231608-07-023-03-34	Pine Road Elementary	1st floor classroom 34 fountain	Good	7/12/2023
231608-07-023-03-35	Pine Road Elementary	1st floor hallway by classroom 80 fountain A	Good	7/12/2023
231608-07-023-03-36	Pine Road Elementary	1st floor hallway by classroom 80 fountain B	Good	7/12/2023
231608-07-023-03-37	Pine Road Elementary	1st floor classroom 81 fountain	Good	7/12/2023
231608-07-023-03-38	Pine Road Elementary	1st floor classroom 82 fountain	Good	7/12/2023
231608-07-023-03-39	Pine Road Elementary	1st floor classroom 83 fountain	Good	7/12/2023
231608-07-023-03-40	Pine Road Elementary	1st floor classroom 84 fountain	Good	7/12/2023
231608-07-023-03-41	Pine Road Elementary	1st floor classroom 85 fountain	Good	7/12/2023
231608-07-023-03-42	Pine Road Elementary	1st floor classroom 86 fountain	Good	7/12/2023
231608-07-023-03-43	Pine Road Elementary	1st floor classroom 87 fountain	Good	7/12/2023





# Chain of Custody

231608-07-023-03-44	Pine Road Elementary	1st floor classroom 88 fountain	Good	7/12/2023
231608-07-023-03-45	Pine Road Elementary	1st floor classroom 89 fountain	Good	7/12/2023
231608-07-023-03-46	Pine Road Elementary	Classroom 65 fountain	Good	7/12/2023
231608-07-023-03-47	Pine Road Elementary	Hallway outside classroom 60 fountain A	Good	7/12/2023
231608-07-023-03-48	Pine Road Elementary	Hallway outside classroom 60 fountain B	Good	7/12/2023
231608-07-023-03-49	Pine Road Elementary	2nd floor classroom 109 fountain	Good	7/12/2023
231608-07-023-03-50	Pine Road Elementary	2nd floor classroom 110 fountain	Good	7/12/2023
231608-07-023-03-51	Pine Road Elementary	2nd floor classroom 111 fountain	Good	7/12/2023
231608-07-023-03-52	Pine Road Elementary	2nd floor classroom 112 fountain	Good	7/12/2023
231608-07-023-03-53	Pine Road Elementary	2nd floor classroom 105 fountain	Good	7/12/2023
231608-07-023-03-54	Pine Road Elementary	2nd floor classroom 106 fountain	Good	7/12/2023
231608-07-023-03-55	Pine Road Elementary	2nd floor classroom 107 fountain	Good	7/12/2023
231608-07-023-03-56	Pine Road Elementary	2nd floor classroom 108 fountain	Good	7/12/2023
231608-07-023-03-57	Pine Road Elementary	2nd floor classroom 101 fountain	Good	7/12/2023
231608-07-023-03-58	Pine Road Elementary	2nd floor classroom 102 fountain	Good	7/12/2023
231608-07-023-03-59	Pine Road Elementary	2nd floor classroom 103 fountain	Good	7/12/2023
231608-07-023-03-60	Pine Road Elementary	2nd floor classroom 104 fountain	Good	7/12/2023
231608-07-023-03-61	Pine Road Elementary	2nd floor hallway fountain #1	Good	7/12/2023
231608-07-023-03-62	Pine Road Elementary	2nd floor hallway fountain #2	Good	7/12/2023
231608-07-023-03-63	Pine Road Elementary	1st floor classroom 49 fountain	Good	7/12/2023
231608-07-023-03-64	Pine Road Elementary	1st floor classroom 50 fountain	Good	7/12/2023
231608-07-023-03-65	Pine Road Elementary	1st floor classroom 47 fountain	Good	7/12/2023
231608-07-023-03-66	Pine Road Elementary	1st floor classroom 48 fountain	Good	7/12/2023
231608-07-023-03-67	Pine Road Elementary	Hallway outside classroom 48 fountain	Good	7/12/2023
231608-07-023-03-68	Pine Road Elementary	1st floor classroom 45 fountain	Good	7/12/2023
231608-07-023-03-69	Pine Road Elementary	1st floor classroom 46 fountain	Good	7/12/2023
231608-07-023-03-70	Pine Road Elementary	1st floor classroom 39 fountain A	Good	7/12/2023



# Chain of Custody

231608-07-023-03-71	Pine Road Elementary	1st floor classroom 39 fountain B	Good	7/12/2023
231608-07-023-03-72	Pine Road Elementary	Cafeteria fountain A	Good	7/12/2023
231608-07-023-03-73	Pine Road Elementary	Cafeteria fountain B	Good	7/12/2023

**Sample Count** 73

<b>Handling Chain Type</b>	<b>Handled By</b>	<b>Date</b>	<b>Time</b>	<b>Notes</b>
Report Results To	Melissa Billingsley	7/12/2023		
Send Reports To	Lower Moreland Township School District	7/12/2023		
Samples Taken By	Will Shaw	7/12/2023	07:00	
Transported By	Will Shaw	7/12/2023	09:45	
Relinquished By	Will Shaw	7/12/2023	10:30	
Received By	Lauren Mitchell	7/12/2023	10:34	
Analyzed By	Andrew Schwab	7/14/2023	16:00	
Reviewed By	Andrew Schwab	7/18/2023	11:34	