



May 1, 2023

Spring-Ford Area School District  
857 South Lewis Road  
Royersford, PA 19468

**Attention:** Mr. Robert Hunter

**Reference:** Water Sampling for Lead – Upper Providence Elementary School  
833 South Lewis Road, Royersford, PA 19468  
Criterion's Project Number: **230731**

Dear Mr. Hunter,

On April 21, 2023, Will Shaw, an environmental technician of Criterion Laboratories, Inc. (Criterion) collected water samples from various outlets used for drinking and cooking at the Upper Providence Elementary School 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) Method.

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).

All outlets sampled were within the EPA Action Level for lead in public drinking water.

No additional testing is necessary.

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 'M. Billingsley'.

Melissa Billingsley  
Project Manager

Attachment



# ICP: Results of Lead in Drinking Water

Client	<u>Spring-Ford Area School District</u>	Site Address	<u>Spring-Ford Area School District</u>	Sample Date	<u>4/21/2023</u>
Project #	<u>230731</u>		<u>Upper Providence Elementary School</u>	Sample Received Date	<u>4/21/2023</u>
			<u>833 South Lewis Road</u>		
			<u>Royersford, PA 19468</u>	Sample Analysis Date(s)	<u>4/27/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Gallagher, Sean</u>		
			<u>Schwab, Andrew</u>		

Sample Number	Collected	Location / Description	Lead (ppb)
230731-07-023-14-01	4/21/2023 07:05	38 - UPE-CF	< RL
230731-07-023-14-02	4/21/2023 07:06	32 - UPE-CF	2.3
230731-07-023-14-03	4/21/2023 07:07	39 - UPE-CF	< RL
230731-07-023-14-04	4/21/2023 07:09	52 - UPE-EWC	< RL
230731-07-023-14-05	4/21/2023 07:10	53 - UPE-BFS	< RL
230731-07-023-14-06	4/21/2023 07:11	50 - UPE-EWC	< RL
230731-07-023-14-07	4/21/2023 07:12	51 - UPE-BFS	< RL
230731-07-023-14-08	4/21/2023 07:13	40 - UPE-CF	< RL
230731-07-023-14-09	4/21/2023 07:14	58 - UPE-CF	< RL
230731-07-023-14-10	4/21/2023 07:15	41 - UPE-CF	< RL
230731-07-023-14-11	4/21/2023 07:16	42 - UPE-CF	< RL
230731-07-023-14-12	4/21/2023 07:18	43 - UPE-CF	< RL
230731-07-023-14-13	4/21/2023 07:19	44 - UPE-DO	< RL
230731-07-023-14-14	4/21/2023 07:20	45 - UPE-DO	< RL
230731-07-023-14-15	4/21/2023 07:21	46 - UPE-CF	< RL
230731-07-023-14-16	4/21/2023 07:23	56 - UPE-CF	2.4
230731-07-023-14-17	4/21/2023 07:24	55 - UPE-DO	< RL
230731-07-023-14-18	4/21/2023 07:26	54 - UPE-CF	< RL
230731-07-023-14-19	4/21/2023 07:27	57 - UPE-CF	< RL
230731-07-023-14-20	4/21/2023 07:29	65 - UPE-CF	< RL
230731-07-023-14-21	4/21/2023 07:30	64 - UPE-DO	< RL
230731-07-023-14-22	4/21/2023 07:31	63 - UPE-CF	< RL
230731-07-023-14-23	4/21/2023 07:33	62 - UPE-CF	< RL
230731-07-023-14-24	4/21/2023 07:34	61 - UPE-CF	< RL
230731-07-023-14-25	4/21/2023 07:36	60 - UPE-CF	< RL
230731-07-023-14-26	4/21/2023 07:37	59 - UPE-CF	< RL
230731-07-023-14-27	4/21/2023 07:40	2 - UPE-DO	< RL
230731-07-023-14-28	4/21/2023 07:42	19 - UPE-EWC	< RL
230731-07-023-14-29	4/21/2023 07:43	20 - UPE-EWC	< RL
230731-07-023-14-30	4/21/2023 07:45	17 - UPE-BFS	< RL
230731-07-023-14-31	4/21/2023 07:47	18 - UPE-EWC	< RL
230731-07-023-14-32	4/21/2023 07:49	3 - UPE-DO	< RL
230731-07-023-14-33	4/21/2023 07:50	4 - UPE-DO	< RL



## ICP: Results of Lead in Drinking Water

Client	<u>Spring-Ford Area School District</u>	Site Address	<u>Spring-Ford Area School District</u> <u>Upper Providence Elementary School</u> <u>833 South Lewis Road</u> <u>Royersford, PA 19468</u>	Sample Date	<u>4/21/2023</u>
Project #	<u>230731</u>			Sample Received Date	<u>4/21/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Gallagher, Sean</u> <u>Schwab, Andrew</u>	Sample Analysis Date(s)	<u>4/27/2023</u>

Sample Number	Collected	Location / Description	Lead (ppb)
230731-07-023-14-34	4/21/2023 07:51	5 - UPE-DO	< RL
230731-07-023-14-35	4/21/2023 07:53	6 - UPE-DO	< RL
230731-07-023-14-36	4/21/2023 07:55	7 - UPE-DO	< RL
230731-07-023-14-37	4/21/2023 07:56	8 - UPE-DO	< RL
230731-07-023-14-38	4/21/2023 07:57	9 - UPE-DO	8.0
230731-07-023-14-39	4/21/2023 07:58	10 - UPE-DO	8.3
230731-07-023-14-40	4/21/2023 07:59	11 - UPE-DO	< RL
230731-07-023-14-41	4/21/2023 08:01	12 - UPE-DO	< RL
230731-07-023-14-42	4/21/2023 08:02	13 - UPE-DO	6.8
230731-07-023-14-43	4/21/2023 08:03	14 - UPE-DO	< RL
230731-07-023-14-44	4/21/2023 08:05	35 - UPE-CF	< RL
230731-07-023-14-45	4/21/2023 08:06	34 - UPE-CF	< RL
230731-07-023-14-46	4/21/2023 08:07	33 - UPE-CF	< RL
230731-07-023-14-47	4/21/2023 08:08	32 - UPE-CF	< RL
230731-07-023-14-48	4/21/2023 08:09	31 - UPE-CF	< RL
230731-07-023-14-49	4/21/2023 08:10	16 - UPE-CF	< RL
230731-07-023-14-50	4/21/2023 08:11	15 - UPE-CF	< RL
230731-07-023-14-51	4/21/2023 08:12	71 - UPE-CF	10.5
230731-07-023-14-52	4/21/2023 08:14	36 - UPE-CF	< RL
230731-07-023-14-53	4/21/2023 08:16	66 - UPE-F	< RL
230731-07-023-14-54	4/21/2023 08:18	67 - UPE-EWC	< RL
230731-07-023-14-55	4/21/2023 08:21	69 - UPE-EWC	< RL
230731-07-023-14-56	4/21/2023 08:23	20 - UPE-BFS	< RL
230731-07-023-14-57	4/21/2023 08:26	47 - UPE-NF	< RL
230731-07-023-14-58	4/21/2023 08:28	48 - UPE-NF	< RL
230731-07-023-14-59	4/21/2023 08:29	49 - UPE-NF	5.1
230731-07-023-14-60	4/21/2023 08:31	68 - UPE-BFS	< RL
230731-07-023-14-61	4/21/2023 08:37	22 - UPE-KF	< RL
230731-07-023-14-62	4/21/2023 08:38	24 - UPE-KF	2.5

Sample Count 62



## ICP: Results of Lead in Drinking Water

Client	<u>Spring-Ford Area School District</u>	Site Address	<u>Spring-Ford Area School District</u>	Sample Date	<u>4/21/2023</u>
Project #	<u>230731</u>		<u>Upper Providence Elementary School</u>	Sample Received Date	<u>4/21/2023</u>
			<u>833 South Lewis Road</u>		
			<u>Royersford, PA 19468</u>	Sample Analysis Date(s)	<u>4/27/2023</u>
Collected By	<u>Criterion Laboratories, Inc.</u>	Analyzed By	<u>Gallagher, Sean</u>		
			<u>Schwab, Andrew</u>		

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.

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# Chain of Custody

**Matrix** Water - Potable  
**Analyte** Lead  
**Analysis Type** ICP-AES  
**Container** Bottle 250 ml  
**Project** 230731  
**Client** Spring-Ford Area School District  
**Site Address** Spring-Ford Area School District  
 Upper Providence Elementary School  
 833 South Lewis Road  
 Royersford, PA 19468

**Location**

**Turnaround** 2 Weeks  
**Field Tech** Will Shaw

**Sample Notes**

**Chain of Custody Notes**

**Additional Analytes**

Sample Number	Location	Description	Received Condition	Date	Notes
230731-07-023-14-01	38	UPE-CF	Good	4/21/2023	
230731-07-023-14-02	32	UPE-CF	Good	4/21/2023	
230731-07-023-14-03	39	UPE-CF	Good	4/21/2023	
230731-07-023-14-04	52	UPE-EWC	Good	4/21/2023	
230731-07-023-14-05	53	UPE-BFS	Good	4/21/2023	
230731-07-023-14-06	50	UPE-EWC	Good	4/21/2023	
230731-07-023-14-07	51	UPE-BFS	Good	4/21/2023	
230731-07-023-14-08	40	UPE-CF	Good	4/21/2023	
230731-07-023-14-09	58	UPE-CF	Good	4/21/2023	
230731-07-023-14-10	41	UPE-CF	Good	4/21/2023	
230731-07-023-14-11	42	UPE-CF	Good	4/21/2023	
230731-07-023-14-12	43	UPE-CF	Good	4/21/2023	
230731-07-023-14-13	44	UPE-DO	Good	4/21/2023	
230731-07-023-14-14	45	UPE-DO	Good	4/21/2023	
230731-07-023-14-15	46	UPE-CF	Good	4/21/2023	
230731-07-023-14-16	56	UPE-CF	Good	4/21/2023	
230731-07-023-14-17	55	UPE-DO	Good	4/21/2023	
230731-07-023-14-18	54	UPE-CF	Good	4/21/2023	
230731-07-023-14-19	57	UPE-CF	Good	4/21/2023	
230731-07-023-14-20	65	UPE-CF	Good	4/21/2023	
230731-07-023-14-21	64	UPE-DO	Good	4/21/2023	
230731-07-023-14-22	63	UPE-CF	Good	4/21/2023	
230731-07-023-14-23	62	UPE-CF	Good	4/21/2023	
230731-07-023-14-24	61	UPE-CF	Good	4/21/2023	
230731-07-023-14-25	60	UPE-CF	Good	4/21/2023	
230731-07-023-14-26	59	UPE-CF	Good	4/21/2023	
230731-07-023-14-27	2	UPE-DO	Good	4/21/2023	
230731-07-023-14-28	19	UPE-EWC	Good	4/21/2023	
230731-07-023-14-29	20	UPE-EWC	Good	4/21/2023	



# Chain of Custody

230731-07-023-14-30	17	UPE-BFS	Good	4/21/2023
230731-07-023-14-31	18	UPE-EWC	Good	4/21/2023
230731-07-023-14-32	3	UPE-DO	Good	4/21/2023
230731-07-023-14-33	4	UPE-DO	Good	4/21/2023
230731-07-023-14-34	5	UPE-DO	Good	4/21/2023
230731-07-023-14-35	6	UPE-DO	Good	4/21/2023
230731-07-023-14-36	7	UPE-DO	Good	4/21/2023
230731-07-023-14-37	8	UPE-DO	Good	4/21/2023
230731-07-023-14-38	9	UPE-DO	Good	4/21/2023
230731-07-023-14-39	10	UPE-DO	Good	4/21/2023
230731-07-023-14-40	11	UPE-DO	Good	4/21/2023
230731-07-023-14-41	12	UPE-DO	Good	4/21/2023
230731-07-023-14-42	13	UPE-DO	Good	4/21/2023
230731-07-023-14-43	14	UPE-DO	Good	4/21/2023
230731-07-023-14-44	35	UPE-CF	Good	4/21/2023
230731-07-023-14-45	34	UPE-CF	Good	4/21/2023
230731-07-023-14-46	33	UPE-CF	Good	4/21/2023
230731-07-023-14-47	32	UPE-CF	Good	4/21/2023
230731-07-023-14-48	31	UPE-CF	Good	4/21/2023
230731-07-023-14-49	16	UPE-CF	Good	4/21/2023
230731-07-023-14-50	15	UPE-CF	Good	4/21/2023
230731-07-023-14-51	71	UPE-CF	Good	4/21/2023
230731-07-023-14-52	36	UPE-CF	Good	4/21/2023
230731-07-023-14-53	66	UPE-F	Good	4/21/2023
230731-07-023-14-54	67	UPE-EWC	Good	4/21/2023
230731-07-023-14-55	69	UPE-EWC	Good	4/21/2023
230731-07-023-14-56	20	UPE-BFS	Good	4/21/2023
230731-07-023-14-57	47	UPE-NF	Good	4/21/2023
230731-07-023-14-58	48	UPE-NF	Good	4/21/2023
230731-07-023-14-59	49	UPE-NF	Good	4/21/2023
230731-07-023-14-60	68	UPE-BFS	Good	4/21/2023
230731-07-023-14-61	22	UPE-KF	Good	4/21/2023
230731-07-023-14-62	24	UPE-KF	Good	4/21/2023

Sample Count 62

Handling Chain Type	Handled By	Date	Time	Notes
Report Results To	Melissa Billingsley	4/21/2023		
Send Reports To	Spring-Ford Area School District	4/21/2023		
Samples Taken By	Will Shaw	4/21/2023	07:05	
Transported By	Will Shaw	4/21/2023	09:00	
Relinquished By	Will Shaw	4/21/2023	10:50	
Received By	Lauren Mitchell	4/21/2023	10:50	
Analyzed By	Andrew Schwab	4/27/2023	16:00	
Reviewed By	Andrew Schwab	4/28/2023	09:03	