

# COMSTOCK ENVIRONMENTAL

February 23, 2022

Unit Three Falls Center, LP  
2929 Walnut Street, Suite 1540  
Philadelphia, PA 19104  
Attn. Madison Gould  
[mgould@philadelphiahebrewpublic.org](mailto:mgould@philadelphiahebrewpublic.org)

**RE: Lead in Drinking Water Sampling – February 2022**  
**Hebrew Charter School – Expansion Area**  
**3300 Henry Avenue**  
**Philadelphia, PA 19129**

Dear Ms. Gould,

Comstock Environmental Services LLC (Comstock) has completed lead in drinking water sampling for the Hebrew Charter School – expansion area located at 3300 Henry Avenue, Philadelphia, PA (the “subject property”). This survey lead in drinking water sampling of one (1) water fountain within this expansion area located outside Classroom 324-A.

## **1.0 Background**

On July 21, 2021, Comstock, collected drinking water samples to confirm the presence, if any, of lead in drinking water for the Hebrew Charter School – expansion area. A trained sampling technician collected samples from the water fountain located in the hallway outside Classroom 332, and the water fountain located in the hallway across from Classroom 324-A. A total of four samples were collected at these locations; one sample was collected upon initial purge (i.e., initial draw) and another sample was collected after five minutes of purging the drinking water (i.e., flush). The following table summarizes the date, locations, and results of the lead in drinking water sampling from July 21, 2021:

<u>Date</u>	<u>Sample Location</u>	<u>Results</u>
7/23/2021	WF-332-Draw	12.2 ppb*
7/23/2021	WF-332-Flush	8.3 ppb
7/23/2021	WF-324-A-Draw	3.9 ppb
7/23/2021	WF-324-A-Flush	8.5 ppb

\* ppb denotes parts per billion.

The laboratory analytical results for the sample identified as WF-332-Draw was reported to contain concentrations of lead **above the City of Philadelphia’s School District standard of 10 ppb**. The laboratory analytical results for the samples identified as WF-332-Flush; WF-324A-Draw; and WF-324A-Flush were found to **NOT** contain measurable levels of lead above the City of Philadelphia’s School District standard of 10 ppb.

As a result, Comstock recommended either of the following options with regard to the water fountain located in the hallway outside Classroom 332:

- Removal/decommission of the water fountain;
- Application of a filter within the water fountain; or
- Replacement of the water fountain with a hydration station.

Comstock recommended no further action with regard to the water fountain located outside Classroom 324-A.

On August 3, 2021, Comstock was notified by Ms. Gould that the water fountains within the Hebrew Charter School – Expansion Area had been decommissioned. On August 9, 2021, Comstock mobilized to the subject property to confirm that these water fountains were in fact decommissioned. Comstock also recommended that in the event that new water fountains and/or hydration stations are installed at the Hebrew Charter School – Expansion Area, that lead in drinking water sampling and analysis activities of the newly installed fountains/stations to confirm the presence or absence of lead in drinking water.

## **2.0 Lead in Drinking Water – February 2022**

On February 15, 2022, Comstock, collected drinking water samples at the newly installed water fountain located outside in the hallway across from Classroom 324-A. The water fountain located in the hallway outside Classroom 332 remained inoperable at the time of the February 15, 2022 drinking water sampling event.

A trained sampling technician collected samples from the water fountain located in the hallway across from Classroom 324-A. A total of two (2) samples were collected at this location; one sample was collected upon initial purge (i.e., initial draw) and another sample was collected after five minutes of purging the drinking water (i.e., flush), and immediately placed on ice to preserve the sample. Samples were collected in 250 milliliter plastic containers pre-preserved with nitric acid. The samples were delivered to Pace Analytical, a Philadelphia and Pennsylvania-certified laboratory.

The following table summarizes the date, locations, and results of the lead in drinking water sampling:

<b><u>Date</u></b>	<b><u>Sample Location</u></b>	<b><u>Results</u></b>
2/15/2022	WF-324-A-Draw	2.77 ppb
2/15/2022	WF-324-A-Flush	ND^

\* ppb denotes parts per billion.

^ ND denotes none detected.

The laboratory analytical results for the samples identified as WF-324A-Draw and WF-324A-Flush were found to **NOT** contain measurable levels of lead above the **City of Philadelphia's School District standard of 10 ppb**.

### **3.0 Conclusions**

Comstock recommends no further action with regard to the newly installed water fountain located outside in the hallway across from Classroom 324-A at this time. Laboratory analysis of the lead in drinking water samples are included as **Attachment 1**.

Sincerely,  
Comstock Environmental Services, LLC



William Chaykin  
Project Manager/Air Quality Specialist

Attachment 1: Lead in Drinking Water Laboratory Analytical Results

**ATTACHMENT 1: LEAD IN DRINKING WATER LABORATORY ANALYTICAL  
RESULTS**

**Comstock Environmental**

Sample Delivery Group: L1462413  
Samples Received: 02/16/2022  
Project Number: 000567  
Description: Hebrew Charter

Report To: Brian Donoghue  
P.O. Box 509  
Layfayette Hill, PA 19444

Entire Report Reviewed By:



T. Alan Harvill  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

**Pace Analytical National**12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

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<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

# SAMPLE SUMMARY

## WF-324-A-DRAW L1462413-01 DW

Collected by  
William Chaykin

Collected date/time  
02/15/22 09:05

Received date/time  
02/16/22 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 200.8	WG1820615	1	02/19/22 11:30	02/20/22 19:42	LD	Mt. Juliet, TN

## WF-324-A-FLUSH L1462413-02 DW

Collected by  
William Chaykin

Collected date/time  
02/15/22 09:11

Received date/time  
02/16/22 08:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 200.8	WG1820098	1	02/19/22 08:53	02/19/22 19:28	LD	Mt. Juliet, TN

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



T. Alan Harvill  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Metals (ICPMS) by Method 200.8

	Result	<u>Qualifier</u>	Det. Limit	Reference Limit	Dilution	Analysis	<u>Batch</u>	Analyst
Analyte	mg/l		mg/l	mg/l		date / time		
Lead	0.00277		0.00200	0.0150	1	02/20/2022 19:42	<a href="#">WG1820615</a>	LD

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Metals (ICPMS) by Method 200.8

	Result	<u>Qualifier</u>	Det. Limit	Reference Limit	Dilution	Analysis	<u>Batch</u>	Analyst
Analyte	mg/l		mg/l	mg/l		date / time		
Lead	ND		0.00200	0.0150	1	02/19/2022 19:28	<a href="#">WG1820098</a>	LD

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

Method Blank (MB)

(MB) R3761838-1 02/19/22 19:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	U		0.000513	0.00200

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

Laboratory Control Sample (LCS)

(LCS) R3761838-2 02/19/22 19:15

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	0.0500	0.0507	101	85.0-115	

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1461940-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1461940-01 02/19/22 19:18 • (MS) R3761838-3 02/19/22 19:21 • (MSD) R3761838-4 02/19/22 19:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	0.0500	ND	0.0434	0.0444	86.8	88.8	1	70.0-130			2.37	20

Method Blank (MB)

(MB) R3761846-1 02/20/22 19:31

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Lead	U		0.000513	0.00200

Laboratory Control Sample (LCS)

(LCS) R3761846-3 02/20/22 19:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	0.0500	0.0445	88.9	85.0-115	

L1462413-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1462413-01 02/20/22 19:42 • (MS) R3761846-4 02/20/22 19:45 • (MSD) R3761846-5 02/20/22 19:49

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Lead	0.0500	0.00277	0.0460	0.0484	86.5	91.2	1	70.0-130			5.04	20

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

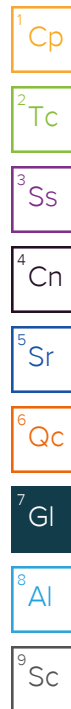
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

## Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

## Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1 6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1 4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

