



**HIGHLANDS ELEMENTARY SCHOOL  
LEAD IN DRINKING WATER  
FIRST DRAW SAMPLING REPORT**

*PERFORMED FOR:*

**HIGHLANDS ELEMENTARY SCHOOL**  
360 NAVESINK AVENUE  
HIGHLANDS, NJ 07732

*PERFORMED BY:*

**WESTCHESTER ENVIRONMENTAL LLC**  
1248 WRIGHTS LANE  
WEST CHESTER, PA 19380

OCTOBER 2021



October 20, 2021

Mr. Steve Dockery  
Highlands Elementary School  
360 Navesink Avenue  
Highlands, NJ 07732

**Re: LEAD IN DRINKING WATER REPORT- FIRST ROUND SAMPLING**

Dear Mr. Dockery

Please find enclosed the report for the Lead in Drinking Water-First Draw Sampling conducted for Highlands Elementary School.

If you have any questions, please contact me at 610-431-7545 or email me at [nabraham@westchesterenvironmental.com](mailto:nabraham@westchesterenvironmental.com).

Sincerely,

Westchester Environmental, LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', is written over a horizontal line.

Noel Abraham  
Environmental Specialist



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## 1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. Steve Dockery to conduct Drinking Water Sampling at the Highlands Elementary School.

The purpose of the sampling was to collect first draw and flush draw drinking water samples at predetermined locations in the facility and have them analyzed for lead levels.

The water sampling was performed on September 18, 2021 by Noel Abraham of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037 MacArthur Rd, Reading, PA 19605, a New Jersey certified Lead in Drinking Water testing facility.

*-END OF SECTION-*



## 2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Tables 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Highlands Elementary School

	Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1	HHES-1FL-POE-Boiler Rm - BR	<1.00	15.5	No
2	HHES-1FL-FP-Kitchen-1	1.16	15.5	No
3	HHES-1FL-S-Rm 105	<1.00	15.5	No
4	HHES-1FL-S-Rm 104	<1.00	15.5	No
5	HHES-1FL-DW-Hall o/s Main Office 1	<1.00	15.5	No
6	HHES-1FL- B-Hall o/s Rm 112	<1.00	15.5	No
7	HHES-1FL-FS-Teacher's Lounge (205)	1.27	15.5	No
8	HHES-1FL-DW-Hall o/s Rm 210	<1.00	15.5	No

*-END OF SECTION-*



### 3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Eight (8) first draw and flush draw samples were collected. All first draw samples were analyzed. All other flush samples are held by the lab pending first draw results.

All samples were labeled with a unique identification number and transported to the Suburban Laboratory for analysis for lead in drinking water using EPA Method 200.8.

*-END OF SECTION-*



## 4.0 DISCUSSION & RECOMMENDATIONS

According to the US EPA, lead enters drinking water primarily through plumbing materials.

For further information on guidance protocols and Action Levels that were followed please refer to:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Based on a laboratory analysis after the first draw samples, no analysis of flush samples is required as all samples analyzed fall below the action limit.

The type of samples collected for this assessment are referred to as grab samples. Grab samples are individual discrete samples collected at a specific time and location and are reflective of the conditions at that time of collection.

It is important to note that the Lead Hazard Assessment was a snap shot of the conditions existing at the time of the assessment and conditions may vary with time.

*-END OF SECTION-*



## 5.0 DISCLAIMER

The Lead Hazard Assessment has limitations with regards to identification of actual health and environmental issues. It is limited to only those items listed in the report and all items reflect conditions at the time of the assessment only.

Westchester Environmental LLC warrants only that the contents of this report constitute an informed discussion of the assessment at the subject property and is prepared exclusively for, and is confidential to, the above noted client. Westchester Environmental LLC assumes no liability with regards to the use of this information or decisions, which are made regarding the subject property. The user(s) of this information must use their own best judgment to determine the appropriate course of action.

Westchester Environmental LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', followed by a horizontal line.

Noel Abraham  
Environmental Specialist

*-END OF REPORT-*



## **APPENDIX I**

**LEAD IN DRINKING WATER SAMPLING  
CHAINS-OF-CUSTODY & LAB REPORTS**



### Results Report

Order ID: 1104597

Westchester Environmental  
1248 Wrights Lane  
West Chester, PA 19380

Project: Highlands Elementary School  
Highlands Elementary

Attn: Noel Abraham

Regulatory ID:

Sample Number: 1104597-01	Site: HHES-1FL-POE-Boiler Rm - BR	Sample ID: Boiler Rm - BR
Collector: NPA	Collect Date: 09/16/2021 3:55 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 09/22/21 JED 09/30/21 15:51 MKR

Sample Number: 1104597-02	Site: HHES-1FL-FP-Kitchen-1	Sample ID: Kitchen-1
Collector: NPA	Collect Date: 09/16/2021 3:56 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead 1.16 µg/L EPA 200.8 1.00 1 09/22/21 JED 09/30/21 15:58 MKR

Sample Number: 1104597-03	Site: HHES-1FL-S-RM 105	Sample ID: RM 105
Collector: NPA	Collect Date: 09/16/2021 3:57 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 09/22/21 JED 09/30/21 16:00 MKR

Sample Number: 1104597-04	Site: HHES-1FL-S-Rm 104	Sample ID: Rm 104
Collector: NPA	Collect Date: 09/16/2021 3:58 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 09/22/21 JED 09/30/21 16:03 MKR

Sample Number: 1104597-05	Site: HHES-1FL-DW-Hall o/s Main Office 1	Sample ID: Hall o/s Main Office 1
Collector: NPA	Collect Date: 09/16/2021 3:59 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead < 1.00 µg/L EPA 200.8 1.00 1 09/22/21 JED 09/30/21 16:06 MKR

Report Generated On: 10/05/2021 11:57 am 1104597  
STL\_Results Revision #1.9 Effective: 04/16/2020





Sample Number: 1104597-06	Site: HHES-1FL-B-Hall o/s Rm 112	Sample ID: Rm 112
Collector: NPA	Collect Date: 09/16/2021 4:00 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	09/22/21	JED	10/01/21 18:48	RPV
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Sample Number: 1104597-07	Site: HHES-1FL-FS-Teachers Lounge (205)	Sample ID: Teachers Lounge (205)
Collector: NPA	Collect Date: 09/16/2021 4:01 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	1.27	µg/L	EPA 200.8	1.00	1	09/22/21	JED	10/01/21 18:51	RPV
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Sample Number: 1104597-08	Site: HHES-1FL-DW-Hall o/s Rm 210	Sample ID: Rm 210
Collector: NPA	Collect Date: 09/16/2021 4:02 pm	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	09/22/21	JED	10/01/21 18:53	RPV
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**Sample Receipt Conditions:**

All samples met the sample receipt requirements for the relevant analyses.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

**Reviewed and Released By:**

Lisa F. Care  
Project Manager II

Report Generated On: 10/05/2021 11:57 am 1104597  
STL\_Results Revision #1.9 Effective: 04/16/2020



