

July 17, 2019

Mike Nickerson, CHMM  
Environmental/Safety Coordinator  
Central Bucks School District  
320 West Swamp Road  
Doylestown, PA 18901

**Re: Lead in Drinking Water Sample Collection and Reporting  
Lenape Middle School  
313 W State Street  
Doylestown, PA 18901  
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) as identified by the Central Bucks School District facility inventory. The collected samples were sent to the Pennsylvania certified environmental laboratory, PACE Analytical, and analyzed for total lead by USEPA Method 200.8, to meet Pennsylvania's action level requirements.

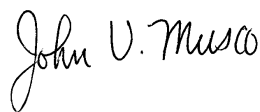
The results did not detect any exceedances at this school of the Pennsylvania Action Level of 15 micrograms per liter (ug/L) with the exception of the following locations:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Library office	L510B	24.9 ug/L
Room 205	L205	15.3 ug/L

A field sketch of the sampling locations and copy of the laboratory report is attached.

Sincerely,

**Langan Engineering & Environmental Services, Inc.**



John V. Musco  
Associate

Enclosure

cc: R. Copenhaver, PG – Langan  
B. Lambing. - Langan  
Tyler Arinder – Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DYL\data4\200130401\Project Data\Record Data\Reports\Day 2\_6-6-19\_Lenape\_Linden\_Kutz\Lenape\_Lead\_Sampling\_Memo.docx

June 21, 2019

Randy Copenhaver  
Langan Engineering  
2700 Kelly Road, Suite 200  
Warrington, PA 18976

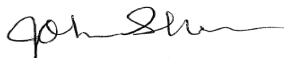
RE: Project: CENTRAL BUCKS SCHOOL ( LENAPE)  
Pace Project No.: 7093954

Dear Randy Copenhaver:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



John D. Stanton  
john.stanton@pacelabs.com  
(631)694-3040  
Project Manager

Enclosures

cc: Bill Lambing, Langan Engineering



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)

Pace Project No.: 7093954

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### Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)  
Pace Project No.: 7093954

Sample: L134A	Lab ID: 7093954001	Collected: 06/06/19 03:04	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 05:15	7439-92-1	
<b>Sample: L134B</b>	<b>Lab ID: 7093954002</b>	Collected: 06/06/19 03:03	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 05:18	7439-92-1	
<b>Sample: L127CA</b>	<b>Lab ID: 7093954003</b>	Collected: 06/06/19 03:08	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 05:21	7439-92-1	
<b>Sample: L127CB</b>	<b>Lab ID: 7093954004</b>	Collected: 06/06/19 03:07	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	1.6	ug/L	1.0	1		06/21/19 05:30	7439-92-1	
<b>Sample: LGA</b>	<b>Lab ID: 7093954005</b>	Collected: 06/06/19 03:11	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 05:33	7439-92-1	
<b>Sample: LGB</b>	<b>Lab ID: 7093954006</b>	Collected: 06/06/19 03:10	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 05:36	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)

Pace Project No.: 7093954

Sample: L103D		Lab ID: 7093954007	Collected: 06/06/19 03:12	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 05:39	7439-92-1	
Sample: L101B		Lab ID: 7093954008	Collected: 06/06/19 03:14	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 05:42	7439-92-1	
Sample: L102A		Lab ID: 7093954009	Collected: 06/06/19 03:21	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 05:45	7439-92-1	
Sample: L102B		Lab ID: 7093954010	Collected: 06/06/19 03:22	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 05:48	7439-92-1	
Sample: L102C		Lab ID: 7093954011	Collected: 06/06/19 03:23	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 05:58	7439-92-1	
Sample: L102D		Lab ID: 7093954012	Collected: 06/06/19 03:23	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:13	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)

Pace Project No.: 7093954

Sample: L102E		Lab ID: 7093954013	Collected: 06/06/19 03:24	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:16	7439-92-1	
Sample: L102F		Lab ID: 7093954014	Collected: 06/06/19 03:24	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:19	7439-92-1	
Sample: L105A		Lab ID: 7093954015	Collected: 06/06/19 03:19	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	1.8	ug/L	1.0	1		06/21/19 06:22	7439-92-1	
Sample: L105B		Lab ID: 7093954016	Collected: 06/06/19 03:20	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:25	7439-92-1	
Sample: L106A		Lab ID: 7093954017	Collected: 06/06/19 03:17	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:28	7439-92-1	
Sample: LMO		Lab ID: 7093954018	Collected: 06/06/19 03:31	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 06:31	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)  
Pace Project No.: 7093954

Sample: L204	Lab ID: 7093954019	Collected: 06/06/19 03:33	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	2.5	ug/L	1.0	1		06/21/19 06:34	7439-92-1	
<b>Sample: L205</b>	<b>Lab ID: 7093954020</b>	Collected: 06/06/19 03:38	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	15.3	ug/L	1.0	1		06/21/19 06:43	7439-92-1	
<b>Sample: L202</b>	<b>Lab ID: 7093954021</b>	Collected: 06/06/19 03:28	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	1.9	ug/L	1.0	1		06/21/19 06:46	7439-92-1	
<b>Sample: L206B</b>	<b>Lab ID: 7093954022</b>	Collected: 06/06/19 03:41	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	8.4	ug/L	1.0	1		06/21/19 06:55	7439-92-1	
<b>Sample: L206A</b>	<b>Lab ID: 7093954023</b>	Collected: 06/06/19 03:40	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	1.4	ug/L	1.0	1		06/21/19 06:58	7439-92-1	
<b>Sample: LNA</b>	<b>Lab ID: 7093954024</b>	Collected: 06/06/19 03:43	Received: 06/12/19 11:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8							
Lead	<1.0	ug/L	1.0	1		06/21/19 07:02	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)

Pace Project No.: 7093954

<b>Sample: LNB</b>		<b>Lab ID: 7093954025</b>	Collected: 06/06/19 03:42	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 07:05	7439-92-1	
<b>Sample: L226A</b>		<b>Lab ID: 7093954026</b>	Collected: 06/06/19 03:45	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 07:08	7439-92-1	
<b>Sample: L226B</b>		<b>Lab ID: 7093954027</b>	Collected: 06/06/19 03:44	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	1.8	ug/L	1.0	1		06/21/19 07:11	7439-92-1	
<b>Sample: L227</b>		<b>Lab ID: 7093954028</b>	Collected: 06/06/19 03:46	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	1.9	ug/L	1.0	1		06/21/19 07:20	7439-92-1	
<b>Sample: L236A</b>		<b>Lab ID: 7093954029</b>	Collected: 06/06/19 03:54	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 07:23	7439-92-1	
<b>Sample: L236B</b>		<b>Lab ID: 7093954030</b>	Collected: 06/06/19 03:53	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/21/19 07:26	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL ( LENAPE)  
Pace Project No.: 7093954

<b>Sample: L510B</b>		<b>Lab ID: 7093954031</b>	Collected: 06/06/19 03:55	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**200.8 MET ICPMS Drinking Water** Analytical Method: EPA 200.8

Lead **24.9** ug/L 1.0 1 06/21/19 07:35 7439-92-1

<b>Sample: LR12</b>		<b>Lab ID: 7093954032</b>	Collected: 06/06/19 03:58	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**200.8 MET ICPMS Drinking Water** Analytical Method: EPA 200.8

Lead **<1.0** ug/L 1.0 1 06/21/19 07:44 7439-92-1

<b>Sample: LR11</b>		<b>Lab ID: 7093954033</b>	Collected: 06/06/19 03:59	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**200.8 MET ICPMS Drinking Water** Analytical Method: EPA 200.8

Lead **<1.0** ug/L 1.0 1 06/21/19 07:47 7439-92-1

<b>Sample: L334</b>		<b>Lab ID: 7093954034</b>	Collected: 06/06/19 03:50	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**200.8 MET ICPMS Drinking Water** Analytical Method: EPA 200.8

Lead **<1.0** ug/L 1.0 1 06/21/19 07:56 7439-92-1

<b>Sample: L325</b>		<b>Lab ID: 7093954035</b>	Collected: 06/06/19 03:49	Received: 06/12/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

**200.8 MET ICPMS Drinking Water** Analytical Method: EPA 200.8

Lead **<1.0** ug/L 1.0 1 06/21/19 07:59 7439-92-1

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