

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
Unami Middle School
160 Moyer Road
Chalfont, PA 18914
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

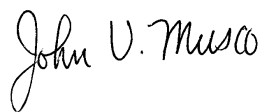
This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) as identified by the Central Bucks School District facility inventory. The collected 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>
Kitchen, bowl sink by office window	U333A	37.4 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 3_6-7-19_Unami_Butler\Unami_Lead_Sampling_Memo.docx

P.O. Box 1569 Doylestown, PA 18901-0219 T: 215.491.6500 F: 215.491.6501 www.langan.com
Shipping Address: Stone Manor Corporate Center 2700 Kelly Road, Suite 200 Warrington, PA 18976

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June 21, 2019

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

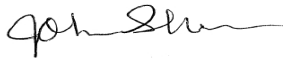
RE: Project: CENTRAL BUCKS SCHOOL (UNAMI)
Pace Project No.: 7093876

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

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL (UNAMI)

Pace Project No.: 7093876

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (UNAMI)

Pace Project No.: 7093876

Sample: U201	Lab ID: 7093876001	Collected: 06/07/19 03:39	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	2.9	ug/L	1.0	1		06/20/19 17:49	7439-92-1	
Sample: U273	Lab ID: 7093876002	Collected: 06/07/19 03:44	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	6.3	ug/L	1.0	1		06/20/19 17:58	7439-92-1	
Sample: U110	Lab ID: 7093876003	Collected: 06/07/19 03:53	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		06/20/19 18:01	7439-92-1	
Sample: U113A	Lab ID: 7093876004	Collected: 06/07/19 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		06/20/19 18:05	7439-92-1	
Sample: U113B	Lab ID: 7093876005	Collected: 06/07/19 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		06/20/19 18:08	7439-92-1	
Sample: U113C	Lab ID: 7093876006	Collected: 06/07/19 03:51	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		06/20/19 18:11	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (UNAMI)
Pace Project No.: 7093876

Sample: U113D		Lab ID: 7093876007	Collected: 06/07/19 03:51	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		06/20/19 18:20	7439-92-1	
Sample: U113E		Lab ID: 7093876008	Collected: 06/07/19 03:52	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		06/20/19 18:23	7439-92-1	
Sample: U113F		Lab ID: 7093876009	Collected: 06/07/19 03:52	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		06/20/19 18:26	7439-92-1	
Sample: U268		Lab ID: 7093876010	Collected: 06/07/19 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	<1.0	ug/L	1.0	1		06/20/19 18:35	7439-92-1	
Sample: U268F		Lab ID: 7093876011	Collected: 06/07/19 03:57	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		06/20/19 18:38	7439-92-1	
Sample: U259F		Lab ID: 7093876012	Collected: 06/07/19 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		06/20/19 18:41	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (UNAMI)

Pace Project No.: 7093876

Sample: U248	Lab ID: 7093876013	Collected: 06/07/19 04:02	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	1.5	ug/L	1.0	1		06/20/19 18:44	7439-92-1	
Sample: U248F	Lab ID: 7093876014	Collected: 06/07/19 04:00	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		06/20/19 18:47	7439-92-1	
Sample: U242	Lab ID: 7093876015	Collected: 06/07/19 04:05	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		06/20/19 18:50	7439-92-1	
Sample: U229A	Lab ID: 7093876016	Collected: 06/07/19 04:17	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		06/20/19 18:59	7439-92-1	
Sample: U229B	Lab ID: 7093876017	Collected: 06/07/19 04:16	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		06/20/19 19:14	7439-92-1	
Sample: U204F	Lab ID: 7093876018	Collected: 06/07/19 04:08	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		06/20/19 19:17	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (UNAMI)
Pace Project No.: 7093876

Sample: U206	Lab ID: 7093876019	Collected: 06/07/19 04:10	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		06/20/19 19:21	7439-92-1	
Sample: U207	Lab ID: 7093876020	Collected: 06/07/19 04:12	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		06/20/19 19:24	7439-92-1	
Sample: U207T	Lab ID: 7093876021	Collected: 06/07/19 04:13	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		06/20/19 19:27	7439-92-1	
Sample: U302B	Lab ID: 7093876022	Collected: 06/07/19 04:30	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	6.1	ug/L	1.0	1		06/20/19 19:30	7439-92-1	
Sample: U311F	Lab ID: 7093876023	Collected: 06/07/19 04:28	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		06/20/19 19:33	7439-92-1	
Sample: U328F	Lab ID: 7093876024	Collected: 06/07/19 04:26	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		06/20/19 19:36	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (UNAMI)

Pace Project No.: 7093876

Sample: U333A		Lab ID: 7093876025		Collected: 06/07/19 04:22		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	37.4	ug/L	1.0	1		06/20/19 19:39	7439-92-1	
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Sample: U333B		Lab ID: 7093876026		Collected: 06/07/19 04:23		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	1.4	ug/L	1.0	1		06/20/19 19:48	7439-92-1	
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Sample: U333C		Lab ID: 7093876027		Collected: 06/07/19 04:23		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	3.3	ug/L	1.0	1		06/20/19 19:57	7439-92-1	
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Sample: U334A		Lab ID: 7093876028		Collected: 06/07/19 04:19		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		06/20/19 20:00	7439-92-1	
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