

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
Pine Run Elementary School
383 W Butler Avenue
New Britain, PA 18901
Bucks County, Pennsylvania**

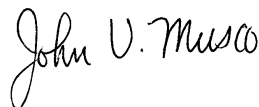
Dear Mr. Nickerson:

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).

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\DY\data4\200130401\Project Data\Record Data\Reports\Day 5_6-11-19 South_PRR\Pine Run_Lead_Sampling_Memo.docx

June 19, 2019

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

RE: Project: CENTRAL BUCKS SCHOOL(PINE RUN)
Pace Project No.: 7093837

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(PINE RUN)

Pace Project No.: 7093837

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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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(PINE RUN)
Pace Project No.: 7093837

Sample: 101	Lab ID: 7093837001	Collected: 06/11/19 06:14	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		06/19/19 07:20	7439-92-1	
Sample: 200A	Lab ID: 7093837002	Collected: 06/11/19 06:42	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		06/19/19 07:29	7439-92-1	
Sample: 200B	Lab ID: 7093837003	Collected: 06/11/19 06:42	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		06/19/19 07:44	7439-92-1	
Sample: 204	Lab ID: 7093837004	Collected: 06/11/19 06:44	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	1.3	ug/L	1.0	1		06/19/19 07:47	7439-92-1	
Sample: 207	Lab ID: 7093837005	Collected: 06/11/19 06:44	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	1.6	ug/L	1.0	1		06/19/19 07:50	7439-92-1	
Sample: 210	Lab ID: 7093837006	Collected: 06/11/19 06:41	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		06/19/19 07:53	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(PINE RUN)

Pace Project No.: 7093837

Sample: 300A	Lab ID: 7093837007	Collected: 06/11/19 06:37	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		06/19/19 07:56	7439-92-1	
Sample: 300B	Lab ID: 7093837008	Collected: 06/11/19 06:37	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		06/19/19 07:59	7439-92-1	
Sample: 308A	Lab ID: 7093837009	Collected: 06/11/19 06:38	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	1.2	ug/L	1.0	1		06/19/19 08:02	7439-92-1	
Sample: 308B	Lab ID: 7093837010	Collected: 06/11/19 06:38	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	1.7	ug/L	1.0	1		06/19/19 08:05	7439-92-1	
Sample: 401A	Lab ID: 7093837011	Collected: 06/11/19 06:31	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		06/19/19 08:09	7439-92-1	
Sample: 401B	Lab ID: 7093837012	Collected: 06/11/19 06:31	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		06/19/19 08:18	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(PINE RUN)

Pace Project No.: 7093837

Sample: 407A	Lab ID: 7093837013	Collected: 06/11/19 06:32	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		06/19/19 08:27	7439-92-1	
Sample: 407B	Lab ID: 7093837014	Collected: 06/11/19 06:32	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		06/19/19 08:30	7439-92-1	
Sample: 408A	Lab ID: 7093837015	Collected: 06/11/19 06:34	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	2.0	ug/L	1.0	1		06/19/19 08:33	7439-92-1	
Sample: 408B	Lab ID: 7093837016	Collected: 06/11/19 06:34	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	3.0	ug/L	1.0	1		06/19/19 08:36	7439-92-1	
Sample: 500A	Lab ID: 7093837017	Collected: 06/11/19 06:26	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		06/19/19 08:39	7439-92-1	
Sample: 500B	Lab ID: 7093837018	Collected: 06/11/19 06:26	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		06/19/19 08:42	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(PINE RUN)
Pace Project No.: 7093837

Sample: 500A	Lab ID: 7093837019	Collected: 06/11/19 06:28	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	2.1	ug/L	1.0	1		06/19/19 08:45	7439-92-1	
Sample: 500B	Lab ID: 7093837020	Collected: 06/11/19 06:28	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	1.5	ug/L	1.0	1		06/19/19 08:54	7439-92-1	
Sample: 600A	Lab ID: 7093837021	Collected: 06/11/19 06:21	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		06/19/19 08:57	7439-92-1	
Sample: 600B	Lab ID: 7093837022	Collected: 06/11/19 06:21	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		06/19/19 09:06	7439-92-1	
Sample: 608A	Lab ID: 7093837023	Collected: 06/11/19 06:24	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		06/19/19 09:15	7439-92-1	
Sample: 608B	Lab ID: 7093837024	Collected: 06/11/19 06:22	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	8.2	ug/L	1.0	1		06/19/19 09:18	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(PINE RUN)

Pace Project No.: 7093837

Sample: 104		Lab ID: 7093837025		Collected: 06/11/19 06:17	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		06/19/19 09:22	7439-92-1	

Sample: 103		Lab ID: 7093837026		Collected: 06/11/19 06:16	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		06/19/19 09:31	7439-92-1	

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