

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
Central Bucks South High School
1100 Folly Road
Warrington, PA 18976
Bucks County, Pennsylvania**

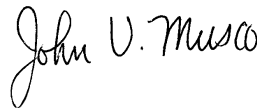
Dear Mr. Nickerson:

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_PRCB South_Lead_Sampling_Memo.docx

June 19, 2019

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

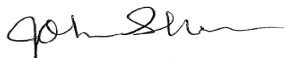
RE: Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

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(CB SOUTH)

Pace Project No.: 7093833

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(CB SOUTH)
Pace Project No.: 7093833

Sample: D228A		Lab ID: 7093833001	Collected: 06/11/19 04:38	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	<1.0	ug/L	1.0	1		06/19/19 01:15	7439-92-1	
Sample: D230A		Lab ID: 7093833002	Collected: 06/11/19 04:37	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 01:24	7439-92-1	
Sample: D230B		Lab ID: 7093833003	Collected: 06/11/19 04:34	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	1.8	ug/L	1.0	1		06/19/19 01:27	7439-92-1	
Sample: D206S		Lab ID: 7093833004	Collected: 06/11/19 04:29	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	4.0	ug/L	1.0	1		06/19/19 01:37	7439-92-1	
Sample: D206F		Lab ID: 7093833005	Collected: 06/11/19 04:27	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 01:40	7439-92-1	
Sample: D219A		Lab ID: 7093833006	Collected: 06/11/19 04:14	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	<1.0	ug/L	1.0	1		06/19/19 01:43	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: D219B		Lab ID: 7093833007	Collected: 06/11/19 04:15	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 01:46	7439-92-1	
Sample: D221A		Lab ID: 7093833008	Collected: 06/11/19 04:04	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 01:49	7439-92-1	
Sample: D221B		Lab ID: 7093833009	Collected: 06/11/19 04:03	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 01:52	7439-92-1	
Sample: D221C		Lab ID: 7093833010	Collected: 06/11/19 04:09	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 01:55	7439-92-1	
Sample: D221D		Lab ID: 7093833011	Collected: 06/11/19 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		06/19/19 02:04	7439-92-1	
Sample: D216		Lab ID: 7093833012	Collected: 06/11/19 04:15	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 02:13	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: D213C	Lab ID: 7093833013	Collected: 06/11/19 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		06/19/19 02:16	7439-92-1	
Sample: D213B	Lab ID: 7093833014	Collected: 06/11/19 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		06/19/19 02:19	7439-92-1	
Sample: D211C	Lab ID: 7093833015	Collected: 06/11/19 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	<1.0	ug/L	1.0	1		06/19/19 02:22	7439-92-1	
Sample: D211B	Lab ID: 7093833016	Collected: 06/11/19 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	<1.0	ug/L	1.0	1		06/19/19 02:25	7439-92-1	
Sample: D208	Lab ID: 7093833017	Collected: 06/11/19 04:25	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 02:28	7439-92-1	
Sample: D209	Lab ID: 7093833018	Collected: 06/11/19 04:24	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	<1.0	ug/L	1.0	1		06/19/19 02:31	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: D207F	Lab ID: 7093833019	Collected: 06/11/19 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		06/19/19 02:34	7439-92-1	
Sample: D211F	Lab ID: 7093833020	Collected: 06/11/19 04:31	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 02:49	7439-92-1	
Sample: D203F	Lab ID: 7093833021	Collected: 06/11/19 04:31	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 02:58	7439-92-1	
Sample: D227F	Lab ID: 7093833022	Collected: 06/11/19 04:35	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 03:01	7439-92-1	
Sample: D201A	Lab ID: 7093833023	Collected: 06/11/19 04:46	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 03:04	7439-92-1	
Sample: D201B	Lab ID: 7093833024	Collected: 06/11/19 04:46	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 03:07	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: D201C		Lab ID: 7093833025	Collected: 06/11/19 04:42	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 03:10	7439-92-1	
Sample: D201D		Lab ID: 7093833026	Collected: 06/11/19 04:42	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 03:13	7439-92-1	
Sample: D231D		Lab ID: 7093833027	Collected: 06/11/19 04:45	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 03:16	7439-92-1	
Sample: D231E		Lab ID: 7093833028	Collected: 06/11/19 04:44	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	<1.0	ug/L	1.0	1		06/19/19 03:26	7439-92-1	
Sample: D231F		Lab ID: 7093833029	Collected: 06/11/19 04:44	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	<1.0	ug/L	1.0	1		06/19/19 03:29	7439-92-1	
Sample: D231A		Lab ID: 7093833030	Collected: 06/11/19 04:48	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 03:32	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: D231B	Lab ID: 7093833031	Collected: 06/11/19 04:44	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	<1.0	ug/L	1.0	1		06/19/19 03:41	7439-92-1	
Sample: D231C	Lab ID: 7093833032	Collected: 06/11/19 04:44	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	<1.0	ug/L	1.0	1		06/19/19 03:44	7439-92-1	
Sample: C223	Lab ID: 7093833033	Collected: 06/11/19 04:49	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	2.3	ug/L	1.0	1		06/19/19 03:47	7439-92-1	
Sample: C224A	Lab ID: 7093833034	Collected: 06/11/19 04:51	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		06/19/19 03:50	7439-92-1	
Sample: C224B	Lab ID: 7093833035	Collected: 06/11/19 04:51	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		06/19/19 03:53	7439-92-1	
Sample: C235	Lab ID: 7093833036	Collected: 06/11/19 04:52	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		06/19/19 04:02	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: A223	Lab ID: 7093833037	Collected: 06/11/19 05:55	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	1.2	ug/L	1.0	1		06/19/19 04:05	7439-92-1	
Sample: A223T	Lab ID: 7093833038	Collected: 06/11/19 05:56	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	2.5	ug/L	1.0	1		06/19/19 04:08	7439-92-1	
Sample: A215	Lab ID: 7093833039	Collected: 06/11/19 05:10	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	1.1	ug/L	1.0	1		06/19/19 04:11	7439-92-1	
Sample: A220F	Lab ID: 7093833040	Collected: 06/11/19 05:08	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		06/19/19 04:20	7439-92-1	
Sample: A203	Lab ID: 7093833041	Collected: 06/11/19 05:13	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		06/19/19 04:29	7439-92-1	
Sample: A206	Lab ID: 7093833042	Collected: 06/11/19 05:13	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		06/19/19 04:38	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: A207		Lab ID: 7093833043	Collected: 06/11/19 05:15	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	1.8	ug/L	1.0	1		06/19/19 04:41	7439-92-1	
Sample: C219C		Lab ID: 7093833044	Collected: 06/11/19 05:16	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 04:45	7439-92-1	
Sample: C214A		Lab ID: 7093833045	Collected: 06/11/19 05:18	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 04:48	7439-92-1	
Sample: C214B		Lab ID: 7093833046	Collected: 06/11/19 05:18	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 04:51	7439-92-1	
Sample: C208		Lab ID: 7093833047	Collected: 06/11/19 05:19	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		06/19/19 04:54	7439-92-1	
Sample: B233A		Lab ID: 7093833048	Collected: 06/11/19 05:40	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 04:57	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: B233B	Lab ID: 7093833049	Collected: 06/11/19 05:40	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 05:00	7439-92-1	
Sample: B202	Lab ID: 7093833050	Collected: 06/11/19 05:31	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	3.1	ug/L	1.0	1		06/19/19 05:03	7439-92-1	
Sample: B204	Lab ID: 7093833051	Collected: 06/11/19 05:32	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	2.4	ug/L	1.0	1		06/19/19 05:18	7439-92-1	
Sample: B205A	Lab ID: 7093833052	Collected: 06/11/19 05:33	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 05:21	7439-92-1	
Sample: B205B	Lab ID: 7093833053	Collected: 06/11/19 05:34	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 05:24	7439-92-1	
Sample: B205C	Lab ID: 7093833054	Collected: 06/11/19 05:35	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 05:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: B205D	Lab ID: 7093833055	Collected: 06/11/19 05:35	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 05:30	7439-92-1	
Sample: B205E	Lab ID: 7093833056	Collected: 06/11/19 05:36	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 05:33	7439-92-1	
Sample: B205F	Lab ID: 7093833057	Collected: 06/11/19 05:37	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 05:36	7439-92-1	
Sample: B215	Lab ID: 7093833058	Collected: 06/11/19 05:51	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		06/19/19 05:39	7439-92-1	
Sample: B214F	Lab ID: 7093833059	Collected: 06/11/19 05:50	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		06/19/19 05:42	7439-92-1	
Sample: B216	Lab ID: 7093833060	Collected: 06/11/19 05:49	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		06/19/19 05:58	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: B223D	Lab ID: 7093833061	Collected: 06/11/19 05:47	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 06:07	7439-92-1	
Sample: B227	Lab ID: 7093833062	Collected: 06/11/19 05:45	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 06:10	7439-92-1	
Sample: B232A	Lab ID: 7093833063	Collected: 06/11/19 05:43	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 06:13	7439-92-1	
Sample: B232B	Lab ID: 7093833064	Collected: 06/11/19 05:43	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 06:16	7439-92-1	
Sample: C124A	Lab ID: 7093833065	Collected: 06/11/19 04:55	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		06/19/19 06:19	7439-92-1	
Sample: C124B	Lab ID: 7093833066	Collected: 06/11/19 04:55	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		06/19/19 06:28	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)

Pace Project No.: 7093833

Sample: C135	Lab ID: 7093833067	Collected: 06/11/19 04:56	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 06:31	7439-92-1	
Sample: C119C	Lab ID: 7093833068	Collected: 06/11/19 04:58	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	1.2	ug/L	1.0	1		06/19/19 06:34	7439-92-1	
Sample: C114A	Lab ID: 7093833069	Collected: 06/11/19 05:22	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	<1.0	ug/L	1.0	1		06/19/19 06:37	7439-92-1	
Sample: C114B	Lab ID: 7093833070	Collected: 06/11/19 05:22	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	<1.0	ug/L	1.0	1		06/19/19 06:40	7439-92-1	
Sample: C108	Lab ID: 7093833071	Collected: 06/11/19 05:24	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	<1.0	ug/L	1.0	1		06/19/19 06:49	7439-92-1	
Sample: C324A	Lab ID: 7093833072	Collected: 06/11/19 05:02	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	<1.0	ug/L	1.0	1		06/19/19 06:52	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB SOUTH)
Pace Project No.: 7093833

Sample: C234B	Lab ID: 7093833073	Collected: 06/11/19 05:02	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	<1.0	ug/L	1.0	1		06/19/19 06:55	7439-92-1	
Sample: C335	Lab ID: 7093833074	Collected: 06/11/19 05:03	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 07:05	7439-92-1	
Sample: C319	Lab ID: 7093833075	Collected: 06/11/19 05:05	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		06/19/19 07:08	7439-92-1	
Sample: C314A	Lab ID: 7093833076	Collected: 06/11/19 05:27	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 07:11	7439-92-1	
Sample: C314B	Lab ID: 7093833077	Collected: 06/11/19 05:27	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 07:14	7439-92-1	
Sample: C308	Lab ID: 7093833078	Collected: 06/11/19 05:27	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 07:17	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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July 17, 2019

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

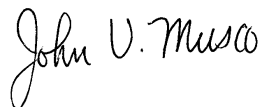
**Re: Lead in Drinking Water Sample Collection and Reporting
Central Bucks South High School Stadium
1100 Folly Road
Warrington, PA 18976
Bucks County, Pennsylvania**

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).

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 10_6-20-19_Stadiums_East_West_South\South Stadium_Lead_Sampling_Memo.docx

July 02, 2019

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

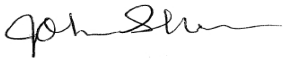
RE: Project: CENTRAL BUCKS SCHOOL-SOUTH ST
Pace Project No.: 7095239

Dear Randy Copenhaver:

Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 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-SOUTH ST

Pace Project No.: 7095239

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-SOUTH ST

Pace Project No.: 7095239

Sample: CBS1	Lab ID: 7095239001	Collected: 06/20/19 07:36	Received: 06/22/19 10:30	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		07/01/19 04:32	7439-92-1	
Sample: CBS2	Lab ID: 7095239002	Collected: 06/20/19 07:36	Received: 06/22/19 10:30	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		06/30/19 19:20	7439-92-1	
Sample: CBS3	Lab ID: 7095239003	Collected: 06/20/19 07:38	Received: 06/22/19 10:30	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		06/30/19 19:29	7439-92-1	
Sample: CBS4	Lab ID: 7095239004	Collected: 06/20/19 07:38	Received: 06/22/19 10:30	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		06/30/19 19:32	7439-92-1	
Sample: CBS5	Lab ID: 7095239005	Collected: 06/20/19 07:39	Received: 06/22/19 10:30	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		06/30/19 19:41	7439-92-1	
Sample: CBS6	Lab ID: 7095239006	Collected: 06/20/19 07:42	Received: 06/22/19 10:30	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		06/30/19 19:44	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL-SOUTH ST

Pace Project No.: 7095239

Sample: CBS7		Lab ID: 7095239007	Collected: 06/20/19 07:43	Received: 06/22/19 10:30	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		06/30/19 19:47	7439-92-1	

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