

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
Doyle Elementary School
260 N West Street
Doylestown, PA 18901
Bucks County, Pennsylvania**

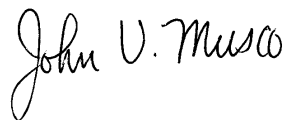
Dear Mr. Nickerson:

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).

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 1_6-5-19_Tamanend_Doyle\Doyle_Lead_Sampling_Memo.docx

July 03, 2019

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

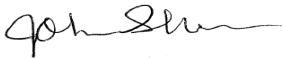
RE: Project: CENTRAL BUCKS SCHOOL (DOYLE)
Pace Project No.: 7094033

Dear Randy Copenhaver:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 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 (DOYLE)

Pace Project No.: 7094033

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 (DOYLE)

Pace Project No.: 7094033

Sample: DS1		Lab ID: 7094033001	Collected: 06/12/19 05:25	Received: 06/14/19 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		06/26/19 04:07	7439-92-1	
Sample: DS2		Lab ID: 7094033002	Collected: 06/12/19 05:27	Received: 06/14/19 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		06/26/19 04:10	7439-92-1	
Sample: DS3		Lab ID: 7094033003	Collected: 06/12/19 05:26	Received: 06/14/19 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		06/26/19 04:13	7439-92-1	
Sample: DS4		Lab ID: 7094033004	Collected: 06/12/19 05:28	Received: 06/14/19 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		06/26/19 04:17	7439-92-1	
Sample: DS5		Lab ID: 7094033005	Collected: 06/12/19 05:29	Received: 06/14/19 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		06/26/19 04:26	7439-92-1	
Sample: DS6		Lab ID: 7094033006	Collected: 06/12/19 05:31	Received: 06/14/19 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		06/26/19 04:29	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (DOYLE)

Pace Project No.: 7094033

Sample: DS7		Lab ID: 7094033007		Collected: 06/12/19 05:30	Received: 06/14/19 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		06/26/19 04:38	7439-92-1	
Sample: DS8		Lab ID: 7094033008		Collected: 06/12/19 05:32	Received: 06/14/19 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		06/26/19 04:47	7439-92-1	
Sample: DS9		Lab ID: 7094033009		Collected: 06/12/19 05:37	Received: 06/14/19 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		06/26/19 04:50	7439-92-1	
Sample: DS10		Lab ID: 7094033010		Collected: 06/12/19 05:35	Received: 06/14/19 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		06/26/19 04:53	7439-92-1	
Sample: DS11		Lab ID: 7094033011		Collected: 06/12/19 05:38	Received: 06/14/19 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		06/26/19 05:02	7439-92-1	
Sample: DS12		Lab ID: 7094033012		Collected: 06/12/19 05:36	Received: 06/14/19 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		06/26/19 05:05	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (DOYLE)
Pace Project No.: 7094033

Sample: DC35B	Lab ID: 7094033013	Collected: 06/12/19 05:18	Received: 06/14/19 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		06/26/19 05:08	7439-92-1	
Sample: DC35C	Lab ID: 7094033014	Collected: 06/12/19 05:19	Received: 06/14/19 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		06/26/19 05:11	7439-92-1	
Sample: DC34	Lab ID: 7094033015	Collected: 06/12/19 05:16	Received: 06/14/19 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		06/26/19 05:14	7439-92-1	
Sample: DC30	Lab ID: 7094033016	Collected: 06/12/19 05:23	Received: 06/14/19 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		06/26/19 05:17	7439-92-1	
Sample: DG1	Lab ID: 7094033017	Collected: 06/12/19 04:49	Received: 06/14/19 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		06/26/19 05:20	7439-92-1	
Sample: DC16	Lab ID: 7094033018	Collected: 06/12/19 04:46	Received: 06/14/19 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		06/26/19 05:30	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (DOYLE)

Pace Project No.: 7094033

Sample: DN1	Lab ID: 7094033019	Collected: 06/12/19 04:59	Received: 06/14/19 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		06/26/19 05:39	7439-92-1	
Sample: DN2	Lab ID: 7094033020	Collected: 06/12/19 04:52	Received: 06/14/19 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		06/26/19 05:42	7439-92-1	
Sample: DN3	Lab ID: 7094033021	Collected: 06/12/19 05:00	Received: 06/14/19 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		06/26/19 05:45	7439-92-1	
Sample: DN4	Lab ID: 7094033022	Collected: 06/12/19 04:53	Received: 06/14/19 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		06/26/19 05:48	7439-92-1	
Sample: DN5	Lab ID: 7094033023	Collected: 06/12/19 05:01	Received: 06/14/19 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		06/26/19 05:51	7439-92-1	
Sample: DN6	Lab ID: 7094033024	Collected: 06/12/19 04:54	Received: 06/14/19 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		06/26/19 05:54	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (DOYLE)

Pace Project No.: 7094033

Sample: DN7	Lab ID: 7094033025	Collected: 06/12/19 05:02	Received: 06/14/19 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		06/26/19 05:57	7439-92-1	
Sample: DN8	Lab ID: 7094033026	Collected: 06/12/19 04:56	Received: 06/14/19 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		06/26/19 06:00	7439-92-1	
Sample: DN9A	Lab ID: 7094033027	Collected: 06/12/19 05:05	Received: 06/14/19 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		06/26/19 06:15	7439-92-1	
Sample: DN10	Lab ID: 7094033029	Collected: 06/12/19 05:07	Received: 06/14/19 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		06/26/19 06:27	7439-92-1	
Sample: DN11	Lab ID: 7094033030	Collected: 06/12/19 05:10	Received: 06/14/19 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		06/26/19 06:30	7439-92-1	
Sample: DN12	Lab ID: 7094033031	Collected: 06/12/19 05:12	Received: 06/14/19 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		06/26/19 06:33	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (DOYLE)

Pace Project No.: 7094033

Sample: DN13		Lab ID: 7094033032		Collected: 06/12/19 05:11	Received: 06/14/19 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		06/26/19 06:37	7439-92-1	
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Sample: DN14		Lab ID: 7094033033		Collected: 06/12/19 05:13	Received: 06/14/19 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		06/26/19 06:40	7439-92-1	
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Sample: DN17		Lab ID: 7094033034		Collected: 06/12/19 05:08	Received: 06/14/19 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		06/26/19 06:43	7439-92-1	
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