

June 25, 2020

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  
Butler Elementary School  
200 Brittany Drive  
Chalfont, PA 18914  
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

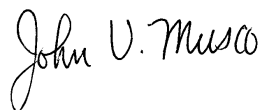
This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) on May 29, 2020 as identified by the Central Bucks School District facility inventory. 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 location:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm B101	B101-20	34.7 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: B. Lambing - Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DY\data4\200130402\Project Data\Record Data\Reports\Day 3\_5-29-2020\_Pine Run\_Butler\_Mill Creek\Butler\Butler\_Lead\_Sampling\_Memo.docx

June 08, 2020

Bill Lambing  
Langan Engineering  
2700 Kelly Road  
Suite 200  
Warrington, PA 18976

RE: Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Dear Bill Lambing:

Enclosed are the analytical results for sample(s) received by the laboratory on May 30, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

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

Sincerely,



Sophia Sparkes  
sophia.sparkes@pacelabs.com  
(631)694-3040  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

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### **Pace Analytical Services Long Island**

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 (BUTLER)  
Pace Project No.: 70132680

Sample: A116-20	Lab ID: 70132680001	Collected: 05/29/20 07:01	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	4.7	ug/L	1.0	1		06/03/20 16:47	7439-92-1	
<b>Sample: A114F-20</b>	<b>Lab ID: 70132680002</b>	Collected: 05/29/20 07:03	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 16:51	7439-92-1	
<b>Sample: A114-20</b>	<b>Lab ID: 70132680003</b>	Collected: 05/29/20 07:04	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		06/03/20 16:52	7439-92-1	
<b>Sample: A114A-20</b>	<b>Lab ID: 70132680004</b>	Collected: 05/29/20 07:04	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.0	ug/L	1.0	1		06/03/20 16:53	7439-92-1	
<b>Sample: B101-20</b>	<b>Lab ID: 70132680005</b>	Collected: 05/29/20 07:31	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	34.7	ug/L	1.0	1		06/03/20 16:54	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B102-20</b>		<b>Lab ID: 70132680006</b>	Collected: 05/29/20 07:32	Received: 05/30/20 10:20	Matrix: Drinking Water			
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>3.9</b>	ug/L	1.0	1		06/03/20 16:56	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B103-20</b>		<b>Lab ID: 70132680007</b>	Collected: 05/29/20 07:33	Received: 05/30/20 10:20	Matrix: Drinking Water			
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>2.7</b>	ug/L	1.0	1		06/03/20 16:57	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B105-20</b>		<b>Lab ID: 70132680008</b>	Collected: 05/29/20 07:34	Received: 05/30/20 10:20	Matrix: Drinking Water			
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>3.4</b>	ug/L	1.0	1		06/03/20 16:58	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B106-20</b>		<b>Lab ID: 70132680009</b>	Collected: 05/29/20 07:34	Received: 05/30/20 10:20	Matrix: Drinking Water			
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>3.7</b>	ug/L	1.0	1		06/03/20 16:59	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B107-20</b>		<b>Lab ID: 70132680010</b>	Collected: 05/29/20 07:35	Received: 05/30/20 10:20	Matrix: Drinking Water			
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>1.4</b>	ug/L	1.0	1		06/03/20 17:00	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

Sample: B108-20	Lab ID: 70132680011	Collected: 05/29/20 07:36	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<b>4.6</b>	ug/L	1.0	1		06/03/20 17:01	7439-92-1	

Sample: A128-20	Lab ID: 70132680012	Collected: 05/29/20 07:00	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<b>1.2</b>	ug/L	1.0	1		06/03/20 17:04	7439-92-1	

Sample: A131-20	Lab ID: 70132680013	Collected: 05/29/20 06:59	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<b>1.1</b>	ug/L	1.0	1		06/03/20 17:05	7439-92-1	

Sample: A132-20	Lab ID: 70132680014	Collected: 05/29/20 06:56	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<b>&lt;1.0</b>	ug/L	1.0	1		06/03/20 17:08	7439-92-1	

Sample: A132A-20	Lab ID: 70132680015	Collected: 05/29/20 06:57	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<b>&lt;1.0</b>	ug/L	1.0	1		06/03/20 17:09	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Sample: A132B-20	Lab ID: 70132680016	Collected: 05/29/20 06:58	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/03/20 17:10	7439-92-1	

Sample: A133-20	Lab ID: 70132680017	Collected: 05/29/20 06:53	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.3	ug/L	1.0	1		06/03/20 17:10	7439-92-1	

Sample: A134-20	Lab ID: 70132680018	Collected: 05/29/20 06:54	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.6	ug/L	1.0	1		06/03/20 17:11	7439-92-1	

Sample: A136-20	Lab ID: 70132680019	Collected: 05/29/20 06:52	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:12	7439-92-1	

Sample: A140-20	Lab ID: 70132680020	Collected: 05/29/20 06:43	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/03/20 17:13	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Sample: A141-20	Lab ID: 70132680021	Collected: 05/29/20 06:44	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:16	7439-92-1	

Sample: A142-20	Lab ID: 70132680022	Collected: 05/29/20 06:45	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:20	7439-92-1	

Sample: A143-20	Lab ID: 70132680023	Collected: 05/29/20 06:46	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:21	7439-92-1	

Sample: A151-20	Lab ID: 70132680024	Collected: 05/29/20 06:50	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		06/03/20 17:22	7439-92-1	

Sample: BGA-20	Lab ID: 70132680025	Collected: 05/29/20 06:48	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:23	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Sample: BGB-20	Lab ID: 70132680026	Collected: 05/29/20 06:49	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:24	7439-92-1	
<b>Sample: C102-20</b>	<b>Lab ID: 70132680027</b>	Collected: 05/29/20 07:27	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.5	ug/L	1.0	1		06/03/20 17:25	7439-92-1	
<b>Sample: C103-20</b>	<b>Lab ID: 70132680028</b>	Collected: 05/29/20 07:27	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.4	ug/L	1.0	1		06/03/20 17:26	7439-92-1	
<b>Sample: C104-20</b>	<b>Lab ID: 70132680029</b>	Collected: 05/29/20 07:25	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.5	ug/L	1.0	1		06/03/20 17:27	7439-92-1	
<b>Sample: C105-20</b>	<b>Lab ID: 70132680030</b>	Collected: 05/29/20 07:26	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	7.7	ug/L	1.0	1		06/03/20 17:30	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

Sample: C106-20	Lab ID: 70132680031	Collected: 05/29/20 07:25	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		06/03/20 17:31	7439-92-1	

Sample: C106F-20	Lab ID: 70132680032	Collected: 05/29/20 07:23	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:34	7439-92-1	

Sample: C107-20	Lab ID: 70132680033	Collected: 05/29/20 07:24	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		06/03/20 17:35	7439-92-1	

Sample: C108-20	Lab ID: 70132680034	Collected: 05/29/20 07:22	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	7.2	ug/L	1.0	1		06/03/20 17:35	7439-92-1	

Sample: C109-20	Lab ID: 70132680035	Collected: 05/29/20 07:21	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.6	ug/L	1.0	1		06/03/20 17:36	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Sample: C110-20	Lab ID: 70132680036	Collected: 05/29/20 07:20	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.7	ug/L	1.0	1		06/03/20 17:37	7439-92-1	
<b>Sample: C111-20</b>	<b>Lab ID: 70132680037</b>	Collected: 05/29/20 07:20	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	3.4	ug/L	1.0	1		06/03/20 17:38	7439-92-1	
<b>Sample: C112-20</b>	<b>Lab ID: 70132680038</b>	Collected: 05/29/20 07:18	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:41	7439-92-1	
<b>Sample: C113-20</b>	<b>Lab ID: 70132680039</b>	Collected: 05/29/20 07:17	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	4.0	ug/L	1.0	1		06/03/20 17:42	7439-92-1	
<b>Sample: C114-20</b>	<b>Lab ID: 70132680040</b>	Collected: 05/29/20 07:16	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

Sample: C115-20	Lab ID: 70132680041	Collected: 05/29/20 07:16	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/03/20 17:45	7439-92-1	M1
<b>Sample: C117-20</b>	<b>Lab ID: 70132680042</b>	Collected: 05/29/20 07:15	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:48	7439-92-1	
<b>Sample: C123A-20</b>	<b>Lab ID: 70132680043</b>	Collected: 05/29/20 07:13	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:49	7439-92-1	
<b>Sample: C123B-20</b>	<b>Lab ID: 70132680044</b>	Collected: 05/29/20 07:13	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:52	7439-92-1	
<b>Sample: C123-20</b>	<b>Lab ID: 70132680045</b>	Collected: 05/29/20 07:11	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:53	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

Sample: C124-20	Lab ID: 70132680046	Collected: 05/29/20 07:11	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:54	7439-92-1	

Sample: C125-20	Lab ID: 70132680047	Collected: 05/29/20 07:08	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/03/20 17:55	7439-92-1	

Sample: C126-20	Lab ID: 70132680048	Collected: 05/29/20 07:09	Received: 05/30/20 10:20	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 21:07	7439-92-1	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

QC Batch:	163137	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70132680001, 70132680002, 70132680003, 70132680004, 70132680005, 70132680006, 70132680007, 70132680008, 70132680009, 70132680010, 70132680011, 70132680012, 70132680013, 70132680014, 70132680015, 70132680016, 70132680017, 70132680018, 70132680019, 70132680020

METHOD BLANK: 785885 Matrix: Water  
Associated Lab Samples: 70132680001, 70132680002, 70132680003, 70132680004, 70132680005, 70132680006, 70132680007, 70132680008, 70132680009, 70132680010, 70132680011, 70132680012, 70132680013, 70132680014, 70132680015, 70132680016, 70132680017, 70132680018, 70132680019, 70132680020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/03/20 16:46	

LABORATORY CONTROL SAMPLE: 785886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	47.6	95	85-115	

MATRIX SPIKE SAMPLE: 785889

Parameter	Units	70132680001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	4.7	4	9.2	112	70-130	

MATRIX SPIKE SAMPLE: 785891

Parameter	Units	70132680011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	4.6	4	8.9	106	70-130	

SAMPLE DUPLICATE: 785888

Parameter	Units	70132680001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	4.7	4.6	2	

SAMPLE DUPLICATE: 785890

Parameter	Units	70132680011 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	4.6	4.6	0	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (BUTLER)  
Pace Project No.: 70132680

QC Batch:	163138	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70132680021, 70132680022, 70132680023, 70132680024, 70132680025, 70132680026, 70132680027, 70132680028, 70132680029, 70132680030, 70132680031, 70132680032, 70132680033, 70132680034, 70132680035, 70132680036, 70132680037, 70132680038, 70132680039, 70132680040

METHOD BLANK: 785893 Matrix: Water

Associated Lab Samples: 70132680021, 70132680022, 70132680023, 70132680024, 70132680025, 70132680026, 70132680027, 70132680028, 70132680029, 70132680030, 70132680031, 70132680032, 70132680033, 70132680034, 70132680035, 70132680036, 70132680037, 70132680038, 70132680039, 70132680040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/03/20 17:14	

LABORATORY CONTROL SAMPLE: 785894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.3	101	85-115	

MATRIX SPIKE SAMPLE: 785896

Parameter	Units	70132680021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.7	109	70-130	

MATRIX SPIKE SAMPLE: 785898

Parameter	Units	70132680031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.6	4	6.6	99	70-130	

SAMPLE DUPLICATE: 785895

Parameter	Units	70132680021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 785897

Parameter	Units	70132680031 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.6	2.5	4	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

QC Batch:	163139	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70132680041, 70132680042, 70132680043, 70132680044, 70132680045, 70132680046, 70132680047

METHOD BLANK: 785900 Matrix: Water  
Associated Lab Samples: 70132680041, 70132680042, 70132680043, 70132680044, 70132680045, 70132680046, 70132680047

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/03/20 17:44	

LABORATORY CONTROL SAMPLE: 785901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.6	99	85-115	

MATRIX SPIKE SAMPLE: 785903

Parameter	Units	70132680041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L		1.2	4	7.0	145	70-130 M1

MATRIX SPIKE SAMPLE: 785905

Parameter	Units	70132681003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L		<1.0	4	4.2	104	70-130

SAMPLE DUPLICATE: 785902

Parameter	Units	70132680041 Result	Dup Result	RPD	Qualifiers
Lead	ug/L		1.2	1.2	2

SAMPLE DUPLICATE: 785904

Parameter	Units	70132681003 Result	Dup Result	RPD	Qualifiers
Lead	ug/L		<1.0	<1.0	

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**QUALITY CONTROL DATA**

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

QC Batch: 163360

Analysis Method: EPA 200.8

QC Batch Method: EPA 200.8

Analysis Description: 200.8 MET No Prep Drinking Water

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70132680048

METHOD BLANK: 787108

Matrix: Water

Associated Lab Samples: 70132680048

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 20:41	

LABORATORY CONTROL SAMPLE: 787109

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	47.2	94	85-115	

MATRIX SPIKE SAMPLE: 787111

Parameter	Units	70132688053 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.1	100	70-130	

MATRIX SPIKE SAMPLE: 787113

Parameter	Units	70132688063 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.0	4	5.2	105	70-130	

SAMPLE DUPLICATE: 787110

Parameter	Units	70132688053 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787112

Parameter	Units	70132688063 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.0	1.1	2	

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**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132680001	A116-20	EPA 200.8	163137		
70132680002	A114F-20	EPA 200.8	163137		
70132680003	A114-20	EPA 200.8	163137		
70132680004	A114A-20	EPA 200.8	163137		
70132680005	B101-20	EPA 200.8	163137		
70132680006	B102-20	EPA 200.8	163137		
70132680007	B103-20	EPA 200.8	163137		
70132680008	B105-20	EPA 200.8	163137		
70132680009	B106-20	EPA 200.8	163137		
70132680010	B107-20	EPA 200.8	163137		
70132680011	B108-20	EPA 200.8	163137		
70132680012	A128-20	EPA 200.8	163137		
70132680013	A131-20	EPA 200.8	163137		
70132680014	A132-20	EPA 200.8	163137		
70132680015	A132A-20	EPA 200.8	163137		
70132680016	A132B-20	EPA 200.8	163137		
70132680017	A133-20	EPA 200.8	163137		
70132680018	A134-20	EPA 200.8	163137		
70132680019	A136-20	EPA 200.8	163137		
70132680020	A140-20	EPA 200.8	163137		
70132680021	A141-20	EPA 200.8	163138		
70132680022	A142-20	EPA 200.8	163138		
70132680023	A143-20	EPA 200.8	163138		
70132680024	A151-20	EPA 200.8	163138		
70132680025	BGA-20	EPA 200.8	163138		
70132680026	BGB-20	EPA 200.8	163138		
70132680027	C102-20	EPA 200.8	163138		
70132680028	C103-20	EPA 200.8	163138		
70132680029	C104-20	EPA 200.8	163138		
70132680030	C105-20	EPA 200.8	163138		
70132680031	C106-20	EPA 200.8	163138		
70132680032	C106F-20	EPA 200.8	163138		
70132680033	C107-20	EPA 200.8	163138		
70132680034	C108-20	EPA 200.8	163138		
70132680035	C109-20	EPA 200.8	163138		
70132680036	C110-20	EPA 200.8	163138		
70132680037	C111-20	EPA 200.8	163138		
70132680038	C112-20	EPA 200.8	163138		
70132680039	C113-20	EPA 200.8	163138		
70132680040	C114-20	EPA 200.8	163138		
70132680041	C115-20	EPA 200.8	163139		
70132680042	C117-20	EPA 200.8	163139		
70132680043	C123A-20	EPA 200.8	163139		
70132680044	C123B-20	EPA 200.8	163139		
70132680045	C123-20	EPA 200.8	163139		
70132680046	C124-20	EPA 200.8	163139		
70132680047	C125-20	EPA 200.8	163139		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL (BUTLER)

Pace Project No.: 70132680

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<b>Lab ID</b>	<b>Sample ID</b>	<b>QC Batch Method</b>	<b>QC Batch</b>	<b>Analytical Method</b>	<b>Analytical Batch</b>
70132680048	C126-20	EPA 200.8	163360		

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