

July 7, 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  
Holicong Middle School  
2900 Township 391 Hwy  
Doylestown, PA 18902  
Bucks County, Pennsylvania**

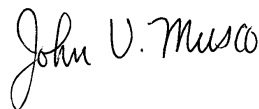
Dear Mr. Nickerson:

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 June 6, 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).

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\DYL\data4\200130402\Project Data\Record Data\Reports\Day 8\_6-6-2020\_Holicong\_East\_East  
Stad\_Unami\_Tamanend\Holicong\Holicong\_Lead\_Sampling\_Memo.docx

July 06, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Dear Bill Lambing:

Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 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
- Pace Analytical Services - Ormond Beach

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

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

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

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### **Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Arizona Certification# AZ0819

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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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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### SAMPLE ANALYTE COUNT

Project: CENTRAL BUCKS SCHOOL(HOLICONG)

Pace Project No.: 70133939

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70133939001	102A-20	EPA 200.8	AMS	1	PASI-O
		EPA 200.8	AKS	1	PACE-MV
70133939002	110A-20	EPA 200.8	AMS	1	PASI-O
70133939003	100F-20	EPA 200.8	AMS	1	PASI-O
70133939004	111A-20	EPA 200.8	AMS	1	PASI-O
70133939005	111B-20	EPA 200.8	AMS	1	PASI-O
70133939006	112-20	EPA 200.8	AMS	1	PASI-O
70133939007	113-20	EPA 200.8	AMS	1	PASI-O
70133939008	150A-20	EPA 200.8	AMS	1	PASI-O
70133939009	150B-20	EPA 200.8	AMS	1	PASI-O
70133939010	143A-20	EPA 200.8	AMS	1	PASI-O
70133939011	144A-20	EPA 200.8	AMS	1	PASI-O
70133939012	141A-20	EPA 200.8	AMS	1	PASI-O
70133939013	141B-20	EPA 200.8	AMS	1	PASI-O
70133939014	141C-20	EPA 200.8	AMS	1	PASI-O
70133939015	141D-20	EPA 200.8	AMS	1	PASI-O
70133939016	141E-20	EPA 200.8	AMS	1	PASI-O
70133939017	141F-20	EPA 200.8	AMS	1	PASI-O
70133939018	141G-20	EPA 200.8	AMS	1	PASI-O
70133939019	140A-20	EPA 200.8	AMS	1	PASI-O
70133939020	126-20	EPA 200.8	AMS	1	PASI-O
70133939021	126A-20	EPA 200.8	AMS	1	PASI-O
70133939022	C4-20	EPA 200.8	AMS	1	PASI-O
70133939023	240-20	EPA 200.8	AMS	1	PASI-O
70133939024	240A-20	EPA 200.8	AMS	1	PASI-O
70133939025	218A-20	EPA 200.8	AMS	1	PASI-O
70133939026	218B-20	EPA 200.8	AMS	1	PASI-O
70133939027	207-20	EPA 200.8	AMS	1	PASI-O
70133939028	207A-20	EPA 200.8	AMS	1	PASI-O
70133939029	207B-20	EPA 200.8	AMS	1	PASI-O
70133939030	230G-20	EPA 200.8	AMS	1	PASI-O

PACE-MV = Pace Analytical Services - Melville

PASI-O = Pace Analytical Services - Ormond Beach

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Sample: 102A-20	Lab ID: 70133939001	Collected: 06/06/20 06:50	Received: 06/09/20 10:45	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		06/23/20 13:34	7439-92-1	
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:17	7439-92-1	
<b>Sample: 110A-20</b>	<b>Lab ID: 70133939002</b>	Collected: 06/06/20 06:51	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:21	7439-92-1	
<b>Sample: 100F-20</b>	<b>Lab ID: 70133939003</b>	Collected: 06/06/20 06:52	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:25	7439-92-1	
<b>Sample: 111A-20</b>	<b>Lab ID: 70133939004</b>	Collected: 06/06/20 06:54	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:26	7439-92-1	
<b>Sample: 111B-20</b>	<b>Lab ID: 70133939005</b>	Collected: 06/06/20 06:54	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:27	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Sample: 112-20	Lab ID: 70133939006	Collected: 06/06/20 06:56	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0011</b>	mg/L	0.0010	1		07/06/20 11:28	7439-92-1	

Sample: 113-20	Lab ID: 70133939007	Collected: 06/06/20 06:58	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>&lt;0.0010</b>	mg/L	0.0010	1		07/06/20 11:29	7439-92-1	

Sample: 150A-20	Lab ID: 70133939008	Collected: 06/06/20 06:48	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>&lt;0.0010</b>	mg/L	0.0010	1		07/06/20 11:31	7439-92-1	

Sample: 150B-20	Lab ID: 70133939009	Collected: 06/06/20 06:48	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>&lt;0.0010</b>	mg/L	0.0010	1		07/06/20 11:32	7439-92-1	

Sample: 143A-20	Lab ID: 70133939010	Collected: 06/06/20 07:13	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0019</b>	mg/L	0.0010	1		07/06/20 11:33	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Sample: 144A-20	Lab ID: 70133939011	Collected: 06/06/20 07:13	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>&lt;0.0010</b>	mg/L	0.0010	1		07/06/20 11:34	7439-92-1	
<b>Sample: 141A-20</b>	<b>Lab ID: 70133939012</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0030</b>	mg/L	0.0010	1		07/06/20 11:35	7439-92-1	
<b>Sample: 141B-20</b>	<b>Lab ID: 70133939013</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0021</b>	mg/L	0.0010	1		07/06/20 11:40	7439-92-1	
<b>Sample: 141C-20</b>	<b>Lab ID: 70133939014</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0032</b>	mg/L	0.0010	1		07/06/20 11:41	7439-92-1	
<b>Sample: 141D-20</b>	<b>Lab ID: 70133939015</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0026</b>	mg/L	0.0010	1		07/06/20 11:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Sample: 141E-20	Lab ID: 70133939016	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0012</b>	mg/L	0.0010	1		07/06/20 11:44	7439-92-1	
<b>Sample: 141F-20</b>	<b>Lab ID: 70133939017</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0014</b>	mg/L	0.0010	1		07/06/20 11:45	7439-92-1	
<b>Sample: 141G-20</b>	<b>Lab ID: 70133939018</b>	Collected: 06/06/20 06:45	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0011</b>	mg/L	0.0010	1		07/06/20 11:46	7439-92-1	
<b>Sample: 140A-20</b>	<b>Lab ID: 70133939019</b>	Collected: 06/06/20 06:43	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>&lt;0.0010</b>	mg/L	0.0010	1		07/06/20 11:47	7439-92-1	
<b>Sample: 126-20</b>	<b>Lab ID: 70133939020</b>	Collected: 06/06/20 06:40	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<b>0.0012</b>	mg/L	0.0010	1		07/06/20 11:48	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Sample: 126A-20	Lab ID: 70133939021	Collected: 06/06/20 06:40	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 10:58	7439-92-1	
<b>Sample: C4-20</b>	<b>Lab ID: 70133939022</b>	Collected: 06/06/20 06:35	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:00	7439-92-1	
<b>Sample: 240-20</b>	<b>Lab ID: 70133939023</b>	Collected: 06/06/20 07:04	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:01	7439-92-1	
<b>Sample: 240A-20</b>	<b>Lab ID: 70133939024</b>	Collected: 06/06/20 07:03	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:02	7439-92-1	
<b>Sample: 218A-20</b>	<b>Lab ID: 70133939025</b>	Collected: 06/06/20 07:00	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:03	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)

Pace Project No.: 70133939

Sample: 218B-20	Lab ID: 70133939026	Collected: 06/06/20 07:00	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:04	7439-92-1	
<b>Sample: 207-20</b>	<b>Lab ID: 70133939027</b>	Collected: 06/06/20 07:07	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:06	7439-92-1	
<b>Sample: 207A-20</b>	<b>Lab ID: 70133939028</b>	Collected: 06/06/20 07:08	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:07	7439-92-1	
<b>Sample: 207B-20</b>	<b>Lab ID: 70133939029</b>	Collected: 06/06/20 07:08	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	<0.0010	mg/L	0.0010	1		07/06/20 11:10	7439-92-1	
<b>Sample: 230G-20</b>	<b>Lab ID: 70133939030</b>	Collected: 06/06/20 07:05	Received: 06/09/20 10:45	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 - Ormond Beach							
Lead	0.0055	mg/L	0.0010	1		07/06/20 11:12	7439-92-1	

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**QUALITY CONTROL DATA**

Project: CENTRAL BUCKS SCHOOL(HOLICONG)

Pace Project No.: 70133939

QC Batch:	645642	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	70133939001, 70133939002, 70133939003, 70133939004, 70133939005, 70133939006, 70133939007, 70133939008, 70133939009, 70133939010, 70133939011, 70133939012, 70133939013, 70133939014, 70133939015, 70133939016, 70133939017, 70133939018, 70133939019, 70133939020		

METHOD BLANK:	3510386	Matrix:	Water
Associated Lab Samples:	70133939001, 70133939002, 70133939003, 70133939004, 70133939005, 70133939006, 70133939007, 70133939008, 70133939009, 70133939010, 70133939011, 70133939012, 70133939013, 70133939014, 70133939015, 70133939016, 70133939017, 70133939018, 70133939019, 70133939020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0010	0.0010	07/06/20 11:56	

LABORATORY CONTROL SAMPLE:	3510387					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.05	0.048	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3510382			3510383							
Parameter	Units	70133939001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	mg/L	<0.0010	0.05	0.05	0.054	0.054	108	108	70-130	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3510384			3510385							
Parameter	Units	70133939020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	mg/L	0.0012	0.05	0.05	0.056	0.057	110	112	70-130	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(HOLICONG)

Pace Project No.: 70133939

QC Batch:	645680	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 70133939021, 70133939022, 70133939023, 70133939024, 70133939025, 70133939026, 70133939027, 70133939028, 70133939029, 70133939030

METHOD BLANK: 3510670 Matrix: Water

Associated Lab Samples: 70133939021, 70133939022, 70133939023, 70133939024, 70133939025, 70133939026, 70133939027, 70133939028, 70133939029, 70133939030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0010	0.0010	07/06/20 13:25	

LABORATORY CONTROL SAMPLE: 3510671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.05	0.048	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510665 3510667

Parameter	35557624016		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
	Units	Result	Conc.	Conc.							
Lead	mg/L	0.23J ug/L	0.05	0.05	0.046	0.044	92	87	70-130	6	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3510668 3510669

Parameter	70133939030		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
	Units	Result	Conc.	Conc.							
Lead	mg/L	0.0055	0.05	0.05	0.054	0.047	96	82	70-130	14	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

QC Batch: 164918	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: 70133939001

METHOD BLANK: 795874  
Associated Lab Samples: 70133939001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/23/20 13:10	

LABORATORY CONTROL SAMPLE: 795875

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.0	102	85-115	

MATRIX SPIKE SAMPLE: 795877

Parameter	Units	70133938015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.4	99	70-130	

MATRIX SPIKE SAMPLE: 795879

Parameter	Units	70133938025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.1	120	70-130	

SAMPLE DUPLICATE: 795876

Parameter	Units	70133938015 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 795878

Parameter	Units	70133938025 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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## QUALIFIERS

Project: CENTRAL BUCKS SCHOOL(HOLICONG)

Pace Project No.: 70133939

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL(HOLICONG)  
Pace Project No.: 70133939

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70133939001	102A-20	EPA 200.8	645642		
70133939002	110A-20	EPA 200.8	645642		
70133939003	100F-20	EPA 200.8	645642		
70133939004	111A-20	EPA 200.8	645642		
70133939005	111B-20	EPA 200.8	645642		
70133939006	112-20	EPA 200.8	645642		
70133939007	113-20	EPA 200.8	645642		
70133939008	150A-20	EPA 200.8	645642		
70133939009	150B-20	EPA 200.8	645642		
70133939010	143A-20	EPA 200.8	645642		
70133939011	144A-20	EPA 200.8	645642		
70133939012	141A-20	EPA 200.8	645642		
70133939013	141B-20	EPA 200.8	645642		
70133939014	141C-20	EPA 200.8	645642		
70133939015	141D-20	EPA 200.8	645642		
70133939016	141E-20	EPA 200.8	645642		
70133939017	141F-20	EPA 200.8	645642		
70133939018	141G-20	EPA 200.8	645642		
70133939019	140A-20	EPA 200.8	645642		
70133939020	126-20	EPA 200.8	645642		
70133939021	126A-20	EPA 200.8	645680		
70133939022	C4-20	EPA 200.8	645680		
70133939023	240-20	EPA 200.8	645680		
70133939024	240A-20	EPA 200.8	645680		
70133939025	218A-20	EPA 200.8	645680		
70133939026	218B-20	EPA 200.8	645680		
70133939027	207-20	EPA 200.8	645680		
70133939028	207A-20	EPA 200.8	645680		
70133939029	207B-20	EPA 200.8	645680		
70133939030	230G-20	EPA 200.8	645680		
70133939001	102A-20	EPA 200.8	164918		

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