

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
Central Bucks East High School
2804 Holicong Road
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) with the exception of the following location:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
B108	B108-20	29.5 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\CB East\East
HS\East_Lead_Sampling_Memo.docx

June 16, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

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

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(CB EAST)

Pace Project No.: 70133933

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: A110A-20	Lab ID: 70133933001	Collected: 06/06/20 07:22	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	6.5	ug/L	1.0	1		06/16/20 13:45	7439-92-1	

Sample: A110B-20	Lab ID: 70133933002	Collected: 06/06/20 07:22	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	3.9	ug/L	1.0	1		06/16/20 13:46	7439-92-1	

Sample: A110C-20	Lab ID: 70133933003	Collected: 06/06/20 07:24	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	6.3	ug/L	1.0	1		06/16/20 13:47	7439-92-1	

Sample: A110D-20	Lab ID: 70133933004	Collected: 06/06/20 07:25	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.3	ug/L	1.0	1		06/16/20 13:48	7439-92-1	

Sample: A110E-20	Lab ID: 70133933005	Collected: 06/06/20 07:25	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.5	ug/L	1.0	1		06/16/20 13:49	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)

Pace Project No.: 70133933

Sample: A113A-20	Lab ID: 70133933006	Collected: 06/06/20 07:28	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		06/16/20 13:50	7439-92-1	

Sample: A109-20	Lab ID: 70133933007	Collected: 06/06/20 07:28	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.4	ug/L	1.0	1		06/16/20 13:52	7439-92-1	

Sample: A107B-20	Lab ID: 70133933008	Collected: 06/06/20 07:30	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		06/16/20 13:55	7439-92-1	

Sample: C104A-20	Lab ID: 70133933009	Collected: 06/06/20 07:33	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	6.9	ug/L	1.0	1		06/16/20 13:56	7439-92-1	

Sample: C104B-20	Lab ID: 70133933010	Collected: 06/06/20 07:33	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	4.8	ug/L	1.0	1		06/16/20 13:56	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: C105E-20	Lab ID: 70133933011	Collected: 06/06/20 07:34	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	3.1	ug/L	1.0	1		06/16/20 13:57	7439-92-1	

Sample: D127A-20	Lab ID: 70133933012	Collected: 06/06/20 07:36	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.3	ug/L	1.0	1		06/16/20 13:58	7439-92-1	

Sample: D127B-20	Lab ID: 70133933013	Collected: 06/06/20 07:36	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/16/20 13:59	7439-92-1	

Sample: D127D-20	Lab ID: 70133933014	Collected: 06/06/20 07:38	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:00	7439-92-1	

Sample: B116B-20	Lab ID: 70133933015	Collected: 06/06/20 07:40	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:03	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)

Pace Project No.: 70133933

Sample: GLA-20	Lab ID: 70133933016	Collected: 06/06/20 07:43	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	4.8	ug/L	1.0	1		06/16/20 14:03	7439-92-1	

Sample: GLB-20	Lab ID: 70133933017	Collected: 06/06/20 07:43	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	8.8	ug/L	1.0	1		06/16/20 14:06	7439-92-1	

Sample: GLC-20	Lab ID: 70133933018	Collected: 06/06/20 07:45	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	7.1	ug/L	1.0	1		06/16/20 14:09	7439-92-1	

Sample: B109A-20	Lab ID: 70133933019	Collected: 06/06/20 07:50	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/16/20 14:10	7439-92-1	

Sample: B109B-20	Lab ID: 70133933020	Collected: 06/06/20 07:50	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	2.2	ug/L	1.0	1		06/16/20 14:10	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: B109F-20	Lab ID: 70133933021	Collected: 06/06/20 07:47	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:13	7439-92-1	

Sample: B108-20	Lab ID: 70133933022	Collected: 06/06/20 07:52	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	29.5	ug/L	1.0	1		06/16/20 14:14	7439-92-1	

Sample: B105-20	Lab ID: 70133933023	Collected: 06/06/20 08:01	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	5.7	ug/L	1.0	1		06/16/20 14:15	7439-92-1	

Sample: B102-20	Lab ID: 70133933024	Collected: 06/06/20 07:58	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:16	7439-92-1	

Sample: B104A-20	Lab ID: 70133933025	Collected: 06/06/20 07:59	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:17	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: A210A-20	Lab ID: 70133933026	Collected: 06/06/20 08:05	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:18	7439-92-1	
Sample: A210B-20	Lab ID: 70133933027	Collected: 06/06/20 08:05	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:18	7439-92-1	
Sample: A216-20	Lab ID: 70133933028	Collected: 06/06/20 08:07	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.6	ug/L	1.0	1		06/16/20 14:21	7439-92-1	
Sample: A208-20	Lab ID: 70133933029	Collected: 06/06/20 08:09	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	2.5	ug/L	1.0	1		06/16/20 14:24	7439-92-1	
Sample: A201-20	Lab ID: 70133933030	Collected: 06/06/20 08:10	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	3.3	ug/L	1.0	1		06/16/20 14:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: C204A-20	Lab ID: 70133933031	Collected: 06/06/20 08:12	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.5	ug/L	1.0	1		06/16/20 14:25	7439-92-1	

Sample: C204B-20	Lab ID: 70133933032	Collected: 06/06/20 08:12	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.7	ug/L	1.0	1		06/16/20 14:26	7439-92-1	

Sample: C209-20	Lab ID: 70133933033	Collected: 06/06/20 08:14	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.1	ug/L	1.0	1		06/16/20 14:27	7439-92-1	

Sample: D225A-20	Lab ID: 70133933034	Collected: 06/06/20 08:16	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:28	7439-92-1	

Sample: D225B-20	Lab ID: 70133933035	Collected: 06/06/20 08:16	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:29	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

Sample: D208A-20	Lab ID: 70133933036	Collected: 06/06/20 08:19	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	1.1	ug/L	1.0	1		06/16/20 14:30	7439-92-1	

Sample: D208-20	Lab ID: 70133933037	Collected: 06/06/20 08:19	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	2.0	ug/L	1.0	1		06/16/20 14:34	7439-92-1	

Sample: D207-20	Lab ID: 70133933038	Collected: 06/06/20 08:21	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/16/20 14:37	7439-92-1	

Sample: D108A-20	Lab ID: 70133933039	Collected: 06/06/20 08:26	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	7.4	ug/L	1.0	1		06/16/20 14:38	7439-92-1	

Sample: D108B-20	Lab ID: 70133933040	Collected: 06/06/20 08:26	Received: 06/09/20 10:45	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 Pace Analytical Services - Melville							
Lead	5.5	ug/L	1.0	1		06/16/20 14:38	7439-92-1	

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(CB EAST)

Pace Project No.: 70133933

QC Batch:	164797	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:	70133933001, 70133933002, 70133933003, 70133933004, 70133933005, 70133933006, 70133933007, 70133933008, 70133933009, 70133933010, 70133933011, 70133933012, 70133933013, 70133933014, 70133933015, 70133933016		

METHOD BLANK:	795326	Matrix:	Water
Associated Lab Samples:	70133933001, 70133933002, 70133933003, 70133933004, 70133933005, 70133933006, 70133933007, 70133933008, 70133933009, 70133933010, 70133933011, 70133933012, 70133933013, 70133933014, 70133933015, 70133933016		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/16/20 13:36	

LABORATORY CONTROL SAMPLE:	795327					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.6	101	85-115	

MATRIX SPIKE SAMPLE:	795329						
Parameter	Units	70133932003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.1	112	70-130	

MATRIX SPIKE SAMPLE:	795331						
Parameter	Units	70133933007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	4	6.0	115	70-130	

SAMPLE DUPLICATE:	795328					
Parameter	Units	70133932003 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	<1.0	<1.0			

SAMPLE DUPLICATE:	795330					
Parameter	Units	70133933007 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	1.4	1.4	3		

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.

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(CB EAST)
Pace Project No.: 70133933

QC Batch: 164798 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: 70133933017, 70133933018, 70133933019, 70133933020, 70133933021, 70133933022, 70133933023, 70133933024, 70133933025, 70133933026, 70133933027, 70133933028, 70133933029, 70133933030, 70133933031, 70133933032, 70133933033, 70133933034, 70133933035, 70133933036

METHOD BLANK: 795337 Matrix: Water
Associated Lab Samples: 70133933017, 70133933018, 70133933019, 70133933020, 70133933021, 70133933022, 70133933023, 70133933024, 70133933025, 70133933026, 70133933027, 70133933028, 70133933029, 70133933030, 70133933031, 70133933032, 70133933033, 70133933034, 70133933035, 70133933036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/16/20 14:04	

LABORATORY CONTROL SAMPLE: 795338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.7	101	85-115	

MATRIX SPIKE SAMPLE: 795340

Parameter	Units	70133933017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	8.8	4	13.0	106	70-130	

MATRIX SPIKE SAMPLE: 795342

Parameter	Units	70133933027 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.2	106	70-130	

SAMPLE DUPLICATE: 795339

Parameter	Units	70133933017 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	8.8	8.7	0	

SAMPLE DUPLICATE: 795341

Parameter	Units	70133933027 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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(CB EAST)
Pace Project No.: 70133933

QC Batch: 164799 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: 70133933037, 70133933038, 70133933039, 70133933040

METHOD BLANK: 795343 Matrix: Water
Associated Lab Samples: 70133933037, 70133933038, 70133933039, 70133933040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/16/20 14:31	

LABORATORY CONTROL SAMPLE: 795344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.6	103	85-115	

MATRIX SPIKE SAMPLE: 795346

Parameter	Units	70133933037 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.0	4	6.7	117	70-130	

MATRIX SPIKE SAMPLE: 795348

Parameter	Units	70133934007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.8	4	6.7	125	70-130	

SAMPLE DUPLICATE: 795345

Parameter	Units	70133933037 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.0	2.0	0	

SAMPLE DUPLICATE: 795347

Parameter	Units	70133934007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.8	1.8	0	

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QUALIFIERS

Project: CENTRAL BUCKS SCHOOL(CB EAST)

Pace Project No.: 70133933

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(CB EAST)

Pace Project No.: 70133933

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70133933001	A110A-20	EPA 200.8	164797		
70133933002	A110B-20	EPA 200.8	164797		
70133933003	A110C-20	EPA 200.8	164797		
70133933004	A110D-20	EPA 200.8	164797		
70133933005	A110E-20	EPA 200.8	164797		
70133933006	A113A-20	EPA 200.8	164797		
70133933007	A109-20	EPA 200.8	164797		
70133933008	A107B-20	EPA 200.8	164797		
70133933009	C104A-20	EPA 200.8	164797		
70133933010	C104B-20	EPA 200.8	164797		
70133933011	C105E-20	EPA 200.8	164797		
70133933012	D127A-20	EPA 200.8	164797		
70133933013	D127B-20	EPA 200.8	164797		
70133933014	D127D-20	EPA 200.8	164797		
70133933015	B116B-20	EPA 200.8	164797		
70133933016	GLA-20	EPA 200.8	164797		
70133933017	GLB-20	EPA 200.8	164798		
70133933018	GLC-20	EPA 200.8	164798		
70133933019	B109A-20	EPA 200.8	164798		
70133933020	B109B-20	EPA 200.8	164798		
70133933021	B109F-20	EPA 200.8	164798		
70133933022	B108-20	EPA 200.8	164798		
70133933023	B105-20	EPA 200.8	164798		
70133933024	B102-20	EPA 200.8	164798		
70133933025	B104A-20	EPA 200.8	164798		
70133933026	A210A-20	EPA 200.8	164798		
70133933027	A210B-20	EPA 200.8	164798		
70133933028	A216-20	EPA 200.8	164798		
70133933029	A208-20	EPA 200.8	164798		
70133933030	A201-20	EPA 200.8	164798		
70133933031	C204A-20	EPA 200.8	164798		
70133933032	C204B-20	EPA 200.8	164798		
70133933033	C209-20	EPA 200.8	164798		
70133933034	D225A-20	EPA 200.8	164798		
70133933035	D225B-20	EPA 200.8	164798		
70133933036	D208A-20	EPA 200.8	164798		
70133933037	D208-20	EPA 200.8	164799		
70133933038	D207-20	EPA 200.8	164799		
70133933039	D108A-20	EPA 200.8	164799		
70133933040	D108B-20	EPA 200.8	164799		

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