

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
Lenape Middle School
313 W State 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.) on June 5, 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>
Nurses Office	L206B-20	24.6 ug/L

Also, as requested by CBSD, below is a location with lead results above 10 ug/L, but below Pennsylvania Action Level of 15 ug/L:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Kitchen 1-bowl by ice machine	L127CB-20	13.1 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

Lead in Drinking Water Sampling
Central Bucks School District
Bucks County, Pennsylvania

June 25, 2020
Page 2 of 2

Enclosure

cc: B. Lambing - Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DYL\data4\200130402\Project Data\Record Data\Reports\Day 7_6-5-2020_Doyle_Lenape_West_West Stad\Lenape\Lenape_Lead_Sampling_Memo.docx

June 23, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL(LENAPE)

Pace Project No.: 70133937

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

Sample: L134A-20	Lab ID: 70133937001	Collected: 06/05/20 07:12	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	<1.0	ug/L	1.0	1		06/22/20 18:30	7439-92-1	

Sample: L134B-20	Lab ID: 70133937002	Collected: 06/05/20 07:12	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	<1.0	ug/L	1.0	1		06/22/20 18:32	7439-92-1	

Sample: L127CA-20	Lab ID: 70133937003	Collected: 06/05/20 07:15	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	2.7	ug/L	1.0	1		06/22/20 18:33	7439-92-1	

Sample: L127CB-20	Lab ID: 70133937004	Collected: 06/05/20 07:15	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	13.1	ug/L	1.0	1		06/22/20 18:34	7439-92-1	

Sample: LG1-20	Lab ID: 70133937005	Collected: 06/05/20 07:18	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		06/22/20 18:35	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

Sample: LG2-20	Lab ID: 70133937006	Collected: 06/05/20 07:18	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		06/22/20 18:36	7439-92-1	

Sample: L103D-20	Lab ID: 70133937007	Collected: 06/05/20 07:20	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		06/22/20 18:37	7439-92-1	

Sample: L103C-20	Lab ID: 70133937008	Collected: 06/05/20 07:20	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		06/22/20 18:40	7439-92-1	

Sample: L102A-20	Lab ID: 70133937009	Collected: 06/05/20 07:26	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	1.8	ug/L	1.0	1		06/22/20 18:44	7439-92-1	

Sample: L102B-20	Lab ID: 70133937010	Collected: 06/05/20 07:26	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	<1.0	ug/L	1.0	1		06/22/20 18:46	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

Sample: L102C-20	Lab ID: 70133937011	Collected: 06/05/20 07:26	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	<1.0	ug/L	1.0	1		06/22/20 18:46	7439-92-1	

Sample: L102D-20	Lab ID: 70133937012	Collected: 06/05/20 07:26	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	<1.0	ug/L	1.0	1		06/22/20 18:47	7439-92-1	

Sample: L102E-20	Lab ID: 70133937013	Collected: 06/05/20 07:26	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	1.3	ug/L	1.0	1		06/22/20 18:48	7439-92-1	

Sample: L102F-20	Lab ID: 70133937014	Collected: 06/05/20 07:26	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	<1.0	ug/L	1.0	1		06/22/20 18:49	7439-92-1	

Sample: L105A-20	Lab ID: 70133937015	Collected: 06/05/20 07:23	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		06/22/20 18:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

Sample: L105B-20	Lab ID: 70133937016	Collected: 06/05/20 07:23	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	4.6	ug/L	1.0	1		06/22/20 18:51	7439-92-1	

Sample: L106A-20	Lab ID: 70133937017	Collected: 06/05/20 07:23	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	1.9	ug/L	1.0	1		06/22/20 18:52	7439-92-1	

Sample: LMO-20	Lab ID: 70133937018	Collected: 06/05/20 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	3.0	ug/L	1.0	1		06/22/20 18:55	7439-92-1	

Sample: L204-20	Lab ID: 70133937019	Collected: 06/05/20 07:49	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		06/22/20 18:58	7439-92-1	

Sample: L205-20	Lab ID: 70133937020	Collected: 06/05/20 07:48	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	1.9	ug/L	1.0	1		06/22/20 18:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

Sample: L202-20	Lab ID: 70133937021	Collected: 06/05/20 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	6.7	ug/L	1.0	1		06/22/20 19:00	7439-92-1	

Sample: L206B-20	Lab ID: 70133937022	Collected: 06/05/20 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	24.6	ug/L	1.0	1		06/22/20 19:01	7439-92-1	

Sample: L206A-20	Lab ID: 70133937023	Collected: 06/05/20 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		06/22/20 19:02	7439-92-1	

Sample: LNA-20	Lab ID: 70133937024	Collected: 06/05/20 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	<1.0	ug/L	1.0	1		06/22/20 19:03	7439-92-1	

Sample: LNB-20	Lab ID: 70133937025	Collected: 06/05/20 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	<1.0	ug/L	1.0	1		06/22/20 19:04	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)

Pace Project No.: 70133937

Sample: L226-20	Lab ID: 70133937026	Collected: 06/05/20 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	9.4	ug/L	1.0	1		06/23/20 12:40	7439-92-1	

Sample: L227-20	Lab ID: 70133937027	Collected: 06/05/20 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	7.1	ug/L	1.0	1		06/23/20 12:41	7439-92-1	

Sample: L236A-20	Lab ID: 70133937028	Collected: 06/05/20 07:32	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		06/23/20 12:43	7439-92-1	

Sample: L236B-20	Lab ID: 70133937029	Collected: 06/05/20 07:32	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		06/23/20 12:46	7439-92-1	

Sample: LR12-20	Lab ID: 70133937030	Collected: 06/05/20 07:35	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		06/23/20 12:47	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(LENAPE)

Pace Project No.: 70133937

Sample: LR11-20	Lab ID: 70133937031	Collected: 06/05/20 07:35	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		06/23/20 12:48	7439-92-1	

Sample: L334-20	Lab ID: 70133937032	Collected: 06/05/20 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	1.6	ug/L	1.0	1		06/23/20 12:51	7439-92-1	

Sample: L325-20	Lab ID: 70133937033	Collected: 06/05/20 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		06/23/20 12:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

QC Batch: 164914 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: 70133937001, 70133937002, 70133937003, 70133937004, 70133937005, 70133937006, 70133937007

METHOD BLANK: 795856 Matrix: Water
Associated Lab Samples: 70133937001, 70133937002, 70133937003, 70133937004, 70133937005, 70133937006, 70133937007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/22/20 18:10	

LABORATORY CONTROL SAMPLE: 795857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE: 795859

Parameter	Units	70133936022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	4	6.2	118	70-130	

MATRIX SPIKE SAMPLE: 795861

Parameter	Units	70133936032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	4	5.9	115	70-130	

SAMPLE DUPLICATE: 795858

Parameter	Units	70133936022 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.4	1.4	2	

SAMPLE DUPLICATE: 795860

Parameter	Units	70133936032 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.4	1.3	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

QC Batch:	164916	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: 70133937008, 70133937009, 70133937010, 70133937011, 70133937012, 70133937013, 70133937014, 70133937015, 70133937016, 70133937017, 70133937018, 70133937019, 70133937020, 70133937021, 70133937022, 70133937023, 70133937024, 70133937025, 70133937026, 70133937027

METHOD BLANK: 795862 Matrix: Water
Associated Lab Samples: 70133937008, 70133937009, 70133937010, 70133937011, 70133937012, 70133937013, 70133937014, 70133937015, 70133937016, 70133937017, 70133937018, 70133937019, 70133937020, 70133937021, 70133937022, 70133937023, 70133937024, 70133937025, 70133937026, 70133937027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/22/20 18:38	

LABORATORY CONTROL SAMPLE: 795863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.7	99	85-115	

MATRIX SPIKE SAMPLE: 795865

Parameter	Units	70133937008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.8	120	70-130	

MATRIX SPIKE SAMPLE: 795867

Parameter	Units	70133937018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.0	4	7.8	118	70-130	

SAMPLE DUPLICATE: 795864

Parameter	Units	70133937008 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 795866

Parameter	Units	70133937018 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.0	3.1	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(LENAPE)
Pace Project No.: 70133937

QC Batch: 164917 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: 70133937028, 70133937029, 70133937030, 70133937031, 70133937032, 70133937033

METHOD BLANK: 795868 Matrix: Water
Associated Lab Samples: 70133937028, 70133937029, 70133937030, 70133937031, 70133937032, 70133937033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/23/20 12:42	

LABORATORY CONTROL SAMPLE: 795869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	52.9	106	85-115	

MATRIX SPIKE SAMPLE: 795871

Parameter	Units	70133937028 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.0	117	70-130	

MATRIX SPIKE SAMPLE: 795873

Parameter	Units	70133938005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.9	107	70-130	

SAMPLE DUPLICATE: 795870

Parameter	Units	70133937028 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 795872

Parameter	Units	70133938005 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: CENTRAL BUCKS SCHOOL(LENAPE)

Pace Project No.: 70133937

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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL(LENAPE)

Pace Project No.: 70133937

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70133937001	L134A-20	EPA 200.8	164914		
70133937002	L134B-20	EPA 200.8	164914		
70133937003	L127CA-20	EPA 200.8	164914		
70133937004	L127CB-20	EPA 200.8	164914		
70133937005	LG1-20	EPA 200.8	164914		
70133937006	LG2-20	EPA 200.8	164914		
70133937007	L103D-20	EPA 200.8	164914		
70133937008	L103C-20	EPA 200.8	164916		
70133937009	L102A-20	EPA 200.8	164916		
70133937010	L102B-20	EPA 200.8	164916		
70133937011	L102C-20	EPA 200.8	164916		
70133937012	L102D-20	EPA 200.8	164916		
70133937013	L102E-20	EPA 200.8	164916		
70133937014	L102F-20	EPA 200.8	164916		
70133937015	L105A-20	EPA 200.8	164916		
70133937016	L105B-20	EPA 200.8	164916		
70133937017	L106A-20	EPA 200.8	164916		
70133937018	LMO-20	EPA 200.8	164916		
70133937019	L204-20	EPA 200.8	164916		
70133937020	L205-20	EPA 200.8	164916		
70133937021	L202-20	EPA 200.8	164916		
70133937022	L206B-20	EPA 200.8	164916		
70133937023	L206A-20	EPA 200.8	164916		
70133937024	LNA-20	EPA 200.8	164916		
70133937025	LNB-20	EPA 200.8	164916		
70133937026	L226-20	EPA 200.8	164916		
70133937027	L227-20	EPA 200.8	164916		
70133937028	L236A-20	EPA 200.8	164917		
70133937029	L236B-20	EPA 200.8	164917		
70133937030	LR12-20	EPA 200.8	164917		
70133937031	LR11-20	EPA 200.8	164917		
70133937032	L334-20	EPA 200.8	164917		
70133937033	L325-20	EPA 200.8	164917		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.