

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
Linden Elementary School
480 Linden Avenue
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 May 27, 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:

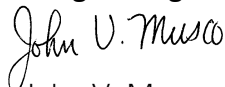
<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm 3	L3-20	88.8 ug/L

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 are as follows:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm 11	L11-20	10.1 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

Enclosure

cc: B. Lambing - Langan

\\Langan.com\data\DYL\data4\200130402\Project Data\Record Data\Reports\Day 1_5-27-2020_Buck_Cold Spring_Linden\Linden_Lead_Sampling_Memo.docx

June 08, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

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 (LINDEN)

Pace Project No.: 70132686

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 (LINDEN)
Pace Project No.: 70132686

Sample: L1-20	Lab ID: 70132686001	Collected: 05/27/20 08:52	Received: 05/30/20 10:20	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		06/05/20 18:35	7439-92-1	

Sample: L2-20	Lab ID: 70132686002	Collected: 05/27/20 08:52	Received: 05/30/20 10:20	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		06/05/20 18:36	7439-92-1	

Sample: LFD-20	Lab ID: 70132686003	Collected: 05/27/20 08:53	Received: 05/30/20 10:20	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		06/05/20 18:37	7439-92-1	

Sample: LA103-20	Lab ID: 70132686004	Collected: 05/27/20 08:54	Received: 05/30/20 10:20	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		06/05/20 18:38	7439-92-1	

Sample: LCAF-20	Lab ID: 70132686005	Collected: 05/27/20 08:56	Received: 05/30/20 10:20	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		06/05/20 18:39	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: LK-20	Lab ID: 70132686006	Collected: 05/27/20 08:57	Received: 05/30/20 10:20	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	2.1	ug/L	1.0	1		06/05/20 18:40	7439-92-1	
Sample: LMO-20	Lab ID: 70132686007	Collected: 05/27/20 09:28	Received: 05/30/20 10:20	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		06/05/20 18:41	7439-92-1	
Sample: L3-20	Lab ID: 70132686008	Collected: 05/27/20 08:59	Received: 05/30/20 10:20	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	88.8	ug/L	1.0	1		06/05/20 18:42	7439-92-1	
Sample: L5-20	Lab ID: 70132686009	Collected: 05/27/20 09:00	Received: 05/30/20 10:20	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	2.3	ug/L	1.0	1		06/05/20 18:43	7439-92-1	
Sample: L5F-20	Lab ID: 70132686010	Collected: 05/27/20 09:01	Received: 05/30/20 10:20	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		06/05/20 18:47	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: L7-20	Lab ID: 70132686011	Collected: 05/27/20 09:02	Received: 05/30/20 10:20	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		06/05/20 18:48	7439-92-1	
Sample: L8-20	Lab ID: 70132686012	Collected: 05/27/20 09:01	Received: 05/30/20 10:20	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	2.3	ug/L	1.0	1		06/05/20 18:49	7439-92-1	
Sample: L9-20	Lab ID: 70132686013	Collected: 05/27/20 09:04	Received: 05/30/20 10:20	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		06/05/20 18:50	7439-92-1	
Sample: L10-20	Lab ID: 70132686014	Collected: 05/27/20 09:03	Received: 05/30/20 10:20	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		06/05/20 18:51	7439-92-1	
Sample: L11-20	Lab ID: 70132686015	Collected: 05/27/20 09:05	Received: 05/30/20 10:20	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	10.1	ug/L	1.0	1		06/05/20 18:52	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: L12-20	Lab ID: 70132686016	Collected: 05/27/20 09:05	Received: 05/30/20 10:20	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		06/05/20 18:53	7439-92-1	

Sample: L13-20	Lab ID: 70132686017	Collected: 05/27/20 09:07	Received: 05/30/20 10:20	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		06/05/20 18:54	7439-92-1	

Sample: L14-20	Lab ID: 70132686018	Collected: 05/27/20 09:06	Received: 05/30/20 10:20	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		06/05/20 18:57	7439-92-1	

Sample: L15-20	Lab ID: 70132686019	Collected: 05/27/20 09:08	Received: 05/30/20 10:20	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	9.9	ug/L	1.0	1		06/05/20 18:59	7439-92-1	

Sample: L16-20	Lab ID: 70132686020	Collected: 05/27/20 09:07	Received: 05/30/20 10:20	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	3.7	ug/L	1.0	1		06/05/20 19:02	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: L20-20	Lab ID: 70132686021	Collected: 05/27/20 09:11	Received: 05/30/20 10:20	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		06/05/20 19:03	7439-92-1	
Sample: L21-20	Lab ID: 70132686022	Collected: 05/27/20 09:11	Received: 05/30/20 10:20	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		06/05/20 19:04	7439-92-1	
Sample: L22-20	Lab ID: 70132686023	Collected: 05/27/20 09:12	Received: 05/30/20 10:20	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		06/05/20 19:05	7439-92-1	
Sample: L23-20	Lab ID: 70132686024	Collected: 05/27/20 09:13	Received: 05/30/20 10:20	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		06/05/20 19:07	7439-92-1	
Sample: L24-20	Lab ID: 70132686025	Collected: 05/27/20 09:13	Received: 05/30/20 10:20	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		06/05/20 19:08	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: L25-20	Lab ID: 70132686026	Collected: 05/27/20 09:15	Received: 05/30/20 10:20	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	2.1	ug/L	1.0	1		06/05/20 19:09	7439-92-1	

Sample: L26-20	Lab ID: 70132686027	Collected: 05/27/20 09:16	Received: 05/30/20 10:20	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		06/05/20 19:10	7439-92-1	

Sample: L27-20	Lab ID: 70132686028	Collected: 05/27/20 09:16	Received: 05/30/20 10:20	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		06/05/20 19:11	7439-92-1	

Sample: L30-20	Lab ID: 70132686029	Collected: 05/27/20 09:18	Received: 05/30/20 10:20	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	8.3	ug/L	1.0	1		06/05/20 19:12	7439-92-1	

Sample: L31-20	Lab ID: 70132686030	Collected: 05/27/20 09:19	Received: 05/30/20 10:20	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		06/05/20 19:15	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Sample: L32-20	Lab ID: 70132686031	Collected: 05/27/20 09:20	Received: 05/30/20 10:20	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	2.4	ug/L	1.0	1		06/05/20 19:16	7439-92-1	

Sample: L33-20	Lab ID: 70132686032	Collected: 05/27/20 09:21	Received: 05/30/20 10:20	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		06/05/20 19:19	7439-92-1	

Sample: L34-20	Lab ID: 70132686033	Collected: 05/27/20 09:21	Received: 05/30/20 10:20	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		06/05/20 19:20	7439-92-1	

Sample: L35-20	Lab ID: 70132686034	Collected: 05/27/20 09:22	Received: 05/30/20 10:20	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		06/05/20 19:21	7439-92-1	

Sample: L36-20	Lab ID: 70132686035	Collected: 05/27/20 09:23	Received: 05/30/20 10:20	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	2.4	ug/L	1.0	1		06/05/20 19:21	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (LINDEN)
Pace Project No.: 70132686

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: L37-20		Lab ID: 70132686036	Collected: 05/27/20 09:23	Received: 05/30/20 10:20	Matrix: Drinking Water			
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	3.1	ug/L	1.0	1		06/05/20 19:22	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: LMC1-20		Lab ID: 70132686037	Collected: 05/27/20 09:25	Received: 05/30/20 10:20	Matrix: Drinking Water			
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	3.2	ug/L	1.0	1		06/05/20 19:23	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: LG-20		Lab ID: 70132686038	Collected: 05/27/20 09:09	Received: 05/30/20 10:20	Matrix: Drinking Water			
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<1.0	ug/L	1.0	1		06/05/20 19:24	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (LINDEN)

Pace Project No.: 70132686

QC Batch:	163352	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:	70132686001, 70132686002, 70132686003, 70132686004, 70132686005, 70132686006, 70132686007, 70132686008, 70132686009, 70132686010, 70132686011, 70132686012, 70132686013, 70132686014, 70132686015, 70132686016, 70132686017, 70132686018		

METHOD BLANK:	787064	Matrix:	Water
Associated Lab Samples:	70132686001, 70132686002, 70132686003, 70132686004, 70132686005, 70132686006, 70132686007, 70132686008, 70132686009, 70132686010, 70132686011, 70132686012, 70132686013, 70132686014, 70132686015, 70132686016, 70132686017, 70132686018		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 18:28	

LABORATORY CONTROL SAMPLE: 787065

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.4	99	85-115	

MATRIX SPIKE SAMPLE: 787067

Parameter	Units	70132685042 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	22.5	4	27.3	119	70-130	

MATRIX SPIKE SAMPLE: 787069

Parameter	Units	70132686009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.3	4	6.2	96	70-130	

SAMPLE DUPLICATE: 787066

Parameter	Units	70132685042 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	22.5	22.7	1	

SAMPLE DUPLICATE: 787068

Parameter	Units	70132686009 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.3	2.3	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.

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (LINDEN)

Pace Project No.: 70132686

QC Batch:	163354	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:	70132686019, 70132686020, 70132686021, 70132686022, 70132686023, 70132686024, 70132686025, 70132686026, 70132686027, 70132686028, 70132686029, 70132686030, 70132686031, 70132686032, 70132686033, 70132686034, 70132686035, 70132686036, 70132686037, 70132686038		

METHOD BLANK:	787074	Matrix:	Water
Associated Lab Samples:	70132686019, 70132686020, 70132686021, 70132686022, 70132686023, 70132686024, 70132686025, 70132686026, 70132686027, 70132686028, 70132686029, 70132686030, 70132686031, 70132686032, 70132686033, 70132686034, 70132686035, 70132686036, 70132686037, 70132686038		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 18:57	

LABORATORY CONTROL SAMPLE:	787075					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.8	98	85-115	

MATRIX SPIKE SAMPLE:	787077						
Parameter	Units	70132686019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	9.9	4	14.4	112	70-130	

MATRIX SPIKE SAMPLE:	787079						
Parameter	Units	70132686029 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	8.3	4	12.4	102	70-130	

SAMPLE DUPLICATE:	787076					
Parameter	Units	70132686019 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	9.9	10	1		

SAMPLE DUPLICATE:	787078					
Parameter	Units	70132686029 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	8.3	8.2	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.

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QUALIFIERS

Project: CENTRAL BUCKS SCHOOL (LINDEN)

Pace Project No.: 70132686

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 (LINDEN)

Pace Project No.: 70132686

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132686001	L1-20	EPA 200.8	163352		
70132686002	L2-20	EPA 200.8	163352		
70132686003	LFD-20	EPA 200.8	163352		
70132686004	LA103-20	EPA 200.8	163352		
70132686005	LCAF-20	EPA 200.8	163352		
70132686006	LK-20	EPA 200.8	163352		
70132686007	LMO-20	EPA 200.8	163352		
70132686008	L3-20	EPA 200.8	163352		
70132686009	L5-20	EPA 200.8	163352		
70132686010	L5F-20	EPA 200.8	163352		
70132686011	L7-20	EPA 200.8	163352		
70132686012	L8-20	EPA 200.8	163352		
70132686013	L9-20	EPA 200.8	163352		
70132686014	L10-20	EPA 200.8	163352		
70132686015	L11-20	EPA 200.8	163352		
70132686016	L12-20	EPA 200.8	163352		
70132686017	L13-20	EPA 200.8	163352		
70132686018	L14-20	EPA 200.8	163352		
70132686019	L15-20	EPA 200.8	163354		
70132686020	L16-20	EPA 200.8	163354		
70132686021	L20-20	EPA 200.8	163354		
70132686022	L21-20	EPA 200.8	163354		
70132686023	L22-20	EPA 200.8	163354		
70132686024	L23-20	EPA 200.8	163354		
70132686025	L24-20	EPA 200.8	163354		
70132686026	L25-20	EPA 200.8	163354		
70132686027	L26-20	EPA 200.8	163354		
70132686028	L27-20	EPA 200.8	163354		
70132686029	L30-20	EPA 200.8	163354		
70132686030	L31-20	EPA 200.8	163354		
70132686031	L32-20	EPA 200.8	163354		
70132686032	L33-20	EPA 200.8	163354		
70132686033	L34-20	EPA 200.8	163354		
70132686034	L35-20	EPA 200.8	163354		
70132686035	L36-20	EPA 200.8	163354		
70132686036	L37-20	EPA 200.8	163354		
70132686037	LMC1-20	EPA 200.8	163354		
70132686038	LG-20	EPA 200.8	163354		

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