

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
Gayman Elementary School
4440 Point Pleasant Pike
Doylestown, PA 18902
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

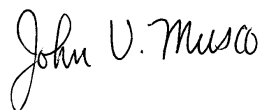
This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) on May 28, 2020 as identified by the Central Bucks School District facility inventory. 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 27	G27-20	137.0 ug/L

A field sketch of the sampling locations and copy of the laboratory report is attached.

Sincerely,
Langan Engineering & Environmental Services, Inc.



John V. Musco
Associate

Enclosure

cc: B. Lambing - Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DY\data4\200130402\Project Data\Record Data\Reports\Day 2_5-28-2020_Gayman_Groveland_Kutz\Gayman ES\Gayman_Lead_Sampling_Mem.docx

June 08, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

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 (GAYMAN)

Pace Project No.: 70132682

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 (GAYMAN)
Pace Project No.: 70132682

Sample: A24-20	Lab ID: 70132682001	Collected: 05/28/20 06:35	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		06/03/20 18:34	7439-92-1	
Sample: A18F-20	Lab ID: 70132682002	Collected: 05/28/20 06:37	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		06/03/20 18:36	7439-92-1	
Sample: GA8-20	Lab ID: 70132682003	Collected: 05/28/20 06:38	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		06/03/20 18:37	7439-92-1	
Sample: G1-20	Lab ID: 70132682004	Collected: 05/28/20 06:42	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		06/03/20 18:38	7439-92-1	
Sample: G2-20	Lab ID: 70132682005	Collected: 05/28/20 06:43	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		06/03/20 18:39	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G3-20	Lab ID: 70132682006	Collected: 05/28/20 06:44	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		06/03/20 18:40	7439-92-1	
Sample: G4-20	Lab ID: 70132682007	Collected: 05/28/20 06:44	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 16:34	7439-92-1	
Sample: G5-20	Lab ID: 70132682008	Collected: 05/28/20 06:45	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	2.7	ug/L	1.0	1		06/05/20 16:37	7439-92-1	
Sample: G6-20	Lab ID: 70132682009	Collected: 05/28/20 06:46	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 16:38	7439-92-1	
Sample: G7-20	Lab ID: 70132682010	Collected: 05/28/20 06:47	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 16:39	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G9-20	Lab ID: 70132682011	Collected: 05/28/20 06:48	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 16:40	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G10-20	Lab ID: 70132682012	Collected: 05/28/20 06:48	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 16:43	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G11-20	Lab ID: 70132682013	Collected: 05/28/20 06:49	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 16:44	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G12-20	Lab ID: 70132682014	Collected: 05/28/20 06:50	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	4.0	ug/L	1.0	1		06/05/20 16:45	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G13-20	Lab ID: 70132682015	Collected: 05/28/20 06:51	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 16:46	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G14-20	Lab ID: 70132682016	Collected: 05/28/20 06:52	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	<1.0	ug/L	1.0	1		06/05/20 16:47	7439-92-1	

Sample: G15-20	Lab ID: 70132682017	Collected: 05/28/20 06:54	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 16:48	7439-92-1	

Sample: G16-20	Lab ID: 70132682018	Collected: 05/28/20 06:53	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	1.9	ug/L	1.0	1		06/05/20 16:51	7439-92-1	

Sample: G31-20	Lab ID: 70132682019	Collected: 05/28/20 06:56	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 16:52	7439-92-1	

Sample: G32-20	Lab ID: 70132682020	Collected: 05/28/20 06:55	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 16:54	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G29-20	Lab ID: 70132682021	Collected: 05/28/20 06:58	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 16:55	7439-92-1	
Sample: G30-20	Lab ID: 70132682022	Collected: 05/28/20 06:57	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	<1.0	ug/L	1.0	1		06/05/20 16:56	7439-92-1	
Sample: G17F-20	Lab ID: 70132682023	Collected: 05/28/20 06:59	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	<1.0	ug/L	1.0	1		06/05/20 16:57	7439-92-1	
Sample: G18-20	Lab ID: 70132682024	Collected: 05/28/20 07:01	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 16:58	7439-92-1	
Sample: G19-20	Lab ID: 70132682025	Collected: 05/28/20 07:02	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	3.8	ug/L	1.0	1		06/05/20 16:59	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G20-20	Lab ID: 70132682026	Collected: 05/28/20 07:03	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	<1.0	ug/L	1.0	1		06/05/20 17:00	7439-92-1	

Sample: GLF-20	Lab ID: 70132682027	Collected: 05/28/20 07:06	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	<1.0	ug/L	1.0	1		06/05/20 17:03	7439-92-1	

Sample: GLWR-20	Lab ID: 70132682028	Collected: 05/28/20 07:05	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	2.2	ug/L	1.0	1		06/05/20 17:07	7439-92-1	

Sample: G21A-20	Lab ID: 70132682029	Collected: 05/28/20 07:08	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	1.2	ug/L	1.0	1		06/05/20 17:08	7439-92-1	

Sample: G21B-20	Lab ID: 70132682030	Collected: 05/28/20 07:08	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	4.8	ug/L	1.0	1		06/05/20 17:09	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G22-20	Lab ID: 70132682031	Collected: 05/28/20 07:10	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 17:10	7439-92-1	

Sample: G23-20	Lab ID: 70132682032	Collected: 05/28/20 07:11	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	1.1	ug/L	1.0	1		06/05/20 17:11	7439-92-1	

Sample: G24-20	Lab ID: 70132682033	Collected: 05/28/20 07:12	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	1.1	ug/L	1.0	1		06/05/20 17:12	7439-92-1	

Sample: G25-20	Lab ID: 70132682034	Collected: 05/28/20 07:13	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	3.3	ug/L	1.0	1		06/05/20 17:13	7439-92-1	

Sample: G26-20	Lab ID: 70132682035	Collected: 05/28/20 07:14	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 17:14	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G27-20	Lab ID: 70132682036	Collected: 05/28/20 07:15	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	137	ug/L	1.0	1		06/05/20 17:17	7439-92-1	

Sample: G28-20	Lab ID: 70132682037	Collected: 05/28/20 07:20	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	1.5	ug/L	1.0	1		06/05/20 17:18	7439-92-1	

Sample: G17-20	Lab ID: 70132682038	Collected: 05/28/20 07:00	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	2.2	ug/L	1.0	1		06/05/20 17:21	7439-92-1	

Sample: A27-20	Lab ID: 70132682039	Collected: 05/28/20 06:39	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 17:22	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

QC Batch: 163140 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: 70132682001, 70132682002, 70132682003, 70132682004, 70132682005, 70132682006

METHOD BLANK: 785907 Matrix: Water
 Associated Lab Samples: 70132682001, 70132682002, 70132682003, 70132682004, 70132682005, 70132682006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/03/20 18:12	

LABORATORY CONTROL SAMPLE: 785908

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

MATRIX SPIKE SAMPLE: 785910

Parameter	Units	70132681013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.0	101	70-130	

MATRIX SPIKE SAMPLE: 785912

Parameter	Units	70132681023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.9	4	7.9	99	70-130	

SAMPLE DUPLICATE: 785909

Parameter	Units	70132681013 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 785911

Parameter	Units	70132681023 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.9	3.9	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 (GAYMAN)
Pace Project No.: 70132682

QC Batch:	163337	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: 70132682007, 70132682008, 70132682009, 70132682010, 70132682011, 70132682012, 70132682013, 70132682014, 70132682015, 70132682016, 70132682017, 70132682018, 70132682019, 70132682020, 70132682021, 70132682022, 70132682023, 70132682024, 70132682025, 70132682026

METHOD BLANK: 786994 Matrix: Water
Associated Lab Samples: 70132682007, 70132682008, 70132682009, 70132682010, 70132682011, 70132682012, 70132682013, 70132682014, 70132682015, 70132682016, 70132682017, 70132682018, 70132682019, 70132682020, 70132682021, 70132682022, 70132682023, 70132682024, 70132682025, 70132682026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 16:33	

LABORATORY CONTROL SAMPLE: 786995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.1	98	85-115	

MATRIX SPIKE SAMPLE: 786997

Parameter	Units	70132682007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.9	105	70-130	

MATRIX SPIKE SAMPLE: 786999

Parameter	Units	70132682017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.5	94	70-130	

SAMPLE DUPLICATE: 786996

Parameter	Units	70132682007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 786998

Parameter	Units	70132682017 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 (GAYMAN)

QC Project No.: 70132682

QC Batch:	163341	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: 70132682027, 70132682028, 70132682029, 70132682030, 70132682031, 70132682032, 70132682033, 70132682034, 70132682035, 70132682036, 70132682037, 70132682038, 70132682039

METHOD BLANK:	787004	Matrix:	Water
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Associated Lab Samples: 70132682027, 70132682028, 70132682029, 70132682030, 70132682031, 70132682032, 70132682033, 70132682034, 70132682035, 70132682036, 70132682037, 70132682038, 70132682039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 17:01	

LABORATORY CONTROL SAMPLE: 787005						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.2	98	85-115	

MATRIX SPIKE SAMPLE: 787007							
Parameter	Units	70132682027 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.3	107	70-130	

MATRIX SPIKE SAMPLE: 787009							
Parameter	Units	70132682037 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.5	4	5.9	110	70-130	

SAMPLE DUPLICATE: 787006					
Parameter	Units	70132682027 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787008					
Parameter	Units	70132682037 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.5	1.5	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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132682001	A24-20	EPA 200.8	163140		
70132682002	A18F-20	EPA 200.8	163140		
70132682003	GA8-20	EPA 200.8	163140		
70132682004	G1-20	EPA 200.8	163140		
70132682005	G2-20	EPA 200.8	163140		
70132682006	G3-20	EPA 200.8	163140		
70132682007	G4-20	EPA 200.8	163337		
70132682008	G5-20	EPA 200.8	163337		
70132682009	G6-20	EPA 200.8	163337		
70132682010	G7-20	EPA 200.8	163337		
70132682011	G9-20	EPA 200.8	163337		
70132682012	G10-20	EPA 200.8	163337		
70132682013	G11-20	EPA 200.8	163337		
70132682014	G12-20	EPA 200.8	163337		
70132682015	G13-20	EPA 200.8	163337		
70132682016	G14-20	EPA 200.8	163337		
70132682017	G15-20	EPA 200.8	163337		
70132682018	G16-20	EPA 200.8	163337		
70132682019	G31-20	EPA 200.8	163337		
70132682020	G32-20	EPA 200.8	163337		
70132682021	G29-20	EPA 200.8	163337		
70132682022	G30-20	EPA 200.8	163337		
70132682023	G17F-20	EPA 200.8	163337		
70132682024	G18-20	EPA 200.8	163337		
70132682025	G19-20	EPA 200.8	163337		
70132682026	G20-20	EPA 200.8	163337		
70132682027	GLF-20	EPA 200.8	163341		
70132682028	GLWR-20	EPA 200.8	163341		
70132682029	G21A-20	EPA 200.8	163341		
70132682030	G21B-20	EPA 200.8	163341		
70132682031	G22-20	EPA 200.8	163341		
70132682032	G23-20	EPA 200.8	163341		
70132682033	G24-20	EPA 200.8	163341		
70132682034	G25-20	EPA 200.8	163341		
70132682035	G26-20	EPA 200.8	163341		
70132682036	G27-20	EPA 200.8	163341		
70132682037	G28-20	EPA 200.8	163341		
70132682038	G17-20	EPA 200.8	163341		
70132682039	A27-20	EPA 200.8	163341		

REPORT OF LABORATORY ANALYSIS

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June 08, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

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 (GAYMAN)

Pace Project No.: 70132682

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 (GAYMAN)
Pace Project No.: 70132682

Sample: A24-20	Lab ID: 70132682001	Collected: 05/28/20 06:35	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		06/03/20 18:34	7439-92-1	

Sample: A18F-20	Lab ID: 70132682002	Collected: 05/28/20 06:37	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		06/03/20 18:36	7439-92-1	

Sample: GA8-20	Lab ID: 70132682003	Collected: 05/28/20 06:38	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		06/03/20 18:37	7439-92-1	

Sample: G1-20	Lab ID: 70132682004	Collected: 05/28/20 06:42	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		06/03/20 18:38	7439-92-1	

Sample: G2-20	Lab ID: 70132682005	Collected: 05/28/20 06:43	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		06/03/20 18:39	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G3-20		Lab ID: 70132682006	Collected: 05/28/20 06:44	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		06/03/20 18:40	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G4-20		Lab ID: 70132682007	Collected: 05/28/20 06:44	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 16:34	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G5-20		Lab ID: 70132682008	Collected: 05/28/20 06:45	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	2.7	ug/L	1.0	1		06/05/20 16:37	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G6-20		Lab ID: 70132682009	Collected: 05/28/20 06:46	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 16:38	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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Sample: G7-20		Lab ID: 70132682010	Collected: 05/28/20 06:47	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 16:39	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

Sample: G9-20	Lab ID: 70132682011	Collected: 05/28/20 06:48	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 16:40	7439-92-1	
Sample: G10-20	Lab ID: 70132682012	Collected: 05/28/20 06:48	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 16:43	7439-92-1	
Sample: G11-20	Lab ID: 70132682013	Collected: 05/28/20 06:49	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 16:44	7439-92-1	
Sample: G12-20	Lab ID: 70132682014	Collected: 05/28/20 06:50	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	4.0	ug/L	1.0	1		06/05/20 16:45	7439-92-1	
Sample: G13-20	Lab ID: 70132682015	Collected: 05/28/20 06:51	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 16:46	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G14-20	Lab ID: 70132682016	Collected: 05/28/20 06:52	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	<1.0	ug/L	1.0	1		06/05/20 16:47	7439-92-1	

Sample: G15-20	Lab ID: 70132682017	Collected: 05/28/20 06:54	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 16:48	7439-92-1	

Sample: G16-20	Lab ID: 70132682018	Collected: 05/28/20 06:53	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	1.9	ug/L	1.0	1		06/05/20 16:51	7439-92-1	

Sample: G31-20	Lab ID: 70132682019	Collected: 05/28/20 06:56	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 16:52	7439-92-1	

Sample: G32-20	Lab ID: 70132682020	Collected: 05/28/20 06:55	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 16:54	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G29-20		Lab ID: 70132682021	Collected: 05/28/20 06:58	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 16:55	7439-92-1	
Sample: G30-20		Lab ID: 70132682022	Collected: 05/28/20 06:57	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	<1.0	ug/L	1.0	1		06/05/20 16:56	7439-92-1	
Sample: G17F-20		Lab ID: 70132682023	Collected: 05/28/20 06:59	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	<1.0	ug/L	1.0	1		06/05/20 16:57	7439-92-1	
Sample: G18-20		Lab ID: 70132682024	Collected: 05/28/20 07:01	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 16:58	7439-92-1	
Sample: G19-20		Lab ID: 70132682025	Collected: 05/28/20 07:02	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	3.8	ug/L	1.0	1		06/05/20 16:59	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G20-20	Lab ID: 70132682026	Collected: 05/28/20 07:03	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	<1.0	ug/L	1.0	1		06/05/20 17:00	7439-92-1	

Sample: GLF-20	Lab ID: 70132682027	Collected: 05/28/20 07:06	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	<1.0	ug/L	1.0	1		06/05/20 17:03	7439-92-1	

Sample: GLWR-20	Lab ID: 70132682028	Collected: 05/28/20 07:05	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	2.2	ug/L	1.0	1		06/05/20 17:07	7439-92-1	

Sample: G21A-20	Lab ID: 70132682029	Collected: 05/28/20 07:08	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	1.2	ug/L	1.0	1		06/05/20 17:08	7439-92-1	

Sample: G21B-20	Lab ID: 70132682030	Collected: 05/28/20 07:08	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	4.8	ug/L	1.0	1		06/05/20 17:09	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G22-20	Lab ID: 70132682031	Collected: 05/28/20 07:10	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 17:10	7439-92-1	

Sample: G23-20	Lab ID: 70132682032	Collected: 05/28/20 07:11	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	1.1	ug/L	1.0	1		06/05/20 17:11	7439-92-1	

Sample: G24-20	Lab ID: 70132682033	Collected: 05/28/20 07:12	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	1.1	ug/L	1.0	1		06/05/20 17:12	7439-92-1	

Sample: G25-20	Lab ID: 70132682034	Collected: 05/28/20 07:13	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	3.3	ug/L	1.0	1		06/05/20 17:13	7439-92-1	

Sample: G26-20	Lab ID: 70132682035	Collected: 05/28/20 07:14	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 17:14	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

Sample: G27-20	Lab ID: 70132682036	Collected: 05/28/20 07:15	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	137	ug/L	1.0	1		06/05/20 17:17	7439-92-1	

Sample: G28-20	Lab ID: 70132682037	Collected: 05/28/20 07:20	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	1.5	ug/L	1.0	1		06/05/20 17:18	7439-92-1	

Sample: G17-20	Lab ID: 70132682038	Collected: 05/28/20 07:00	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	2.2	ug/L	1.0	1		06/05/20 17:21	7439-92-1	

Sample: A27-20	Lab ID: 70132682039	Collected: 05/28/20 06:39	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 17:22	7439-92-1	

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

QC Batch: 163140 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: 70132682001, 70132682002, 70132682003, 70132682004, 70132682005, 70132682006

METHOD BLANK: 785907 Matrix: Water
 Associated Lab Samples: 70132682001, 70132682002, 70132682003, 70132682004, 70132682005, 70132682006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/03/20 18:12	

LABORATORY CONTROL SAMPLE: 785908

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

MATRIX SPIKE SAMPLE: 785910

Parameter	Units	70132681013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.0	101	70-130	

MATRIX SPIKE SAMPLE: 785912

Parameter	Units	70132681023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.9	4	7.9	99	70-130	

SAMPLE DUPLICATE: 785909

Parameter	Units	70132681013 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 785911

Parameter	Units	70132681023 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.9	3.9	1	

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 70132682

QC Batch:	163337	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: 70132682007, 70132682008, 70132682009, 70132682010, 70132682011, 70132682012, 70132682013, 70132682014, 70132682015, 70132682016, 70132682017, 70132682018, 70132682019, 70132682020, 70132682021, 70132682022, 70132682023, 70132682024, 70132682025, 70132682026

METHOD BLANK: 786994 Matrix: Water
Associated Lab Samples: 70132682007, 70132682008, 70132682009, 70132682010, 70132682011, 70132682012, 70132682013, 70132682014, 70132682015, 70132682016, 70132682017, 70132682018, 70132682019, 70132682020, 70132682021, 70132682022, 70132682023, 70132682024, 70132682025, 70132682026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 16:33	

LABORATORY CONTROL SAMPLE: 786995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.1	98	85-115	

MATRIX SPIKE SAMPLE: 786997

Parameter	Units	70132682007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.9	105	70-130	

MATRIX SPIKE SAMPLE: 786999

Parameter	Units	70132682017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.5	94	70-130	

SAMPLE DUPLICATE: 786996

Parameter	Units	70132682007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 786998

Parameter	Units	70132682017 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

QC Project No.: 70132682

QC Batch:	163341	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: 70132682027, 70132682028, 70132682029, 70132682030, 70132682031, 70132682032, 70132682033, 70132682034, 70132682035, 70132682036, 70132682037, 70132682038, 70132682039

METHOD BLANK:	787004	Matrix:	Water
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Associated Lab Samples: 70132682027, 70132682028, 70132682029, 70132682030, 70132682031, 70132682032, 70132682033, 70132682034, 70132682035, 70132682036, 70132682037, 70132682038, 70132682039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 17:01	

LABORATORY CONTROL SAMPLE: 787005						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.2	98	85-115	

MATRIX SPIKE SAMPLE: 787007							
Parameter	Units	70132682027 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.3	107	70-130	

MATRIX SPIKE SAMPLE: 787009							
Parameter	Units	70132682037 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.5	4	5.9	110	70-130	

SAMPLE DUPLICATE: 787006					
Parameter	Units	70132682027 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787008					
Parameter	Units	70132682037 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.5	1.5	3	

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QUALIFIERS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 70132682

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 (GAYMAN)
Pace Project No.: 70132682

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132682001	A24-20	EPA 200.8	163140		
70132682002	A18F-20	EPA 200.8	163140		
70132682003	GA8-20	EPA 200.8	163140		
70132682004	G1-20	EPA 200.8	163140		
70132682005	G2-20	EPA 200.8	163140		
70132682006	G3-20	EPA 200.8	163140		
70132682007	G4-20	EPA 200.8	163337		
70132682008	G5-20	EPA 200.8	163337		
70132682009	G6-20	EPA 200.8	163337		
70132682010	G7-20	EPA 200.8	163337		
70132682011	G9-20	EPA 200.8	163337		
70132682012	G10-20	EPA 200.8	163337		
70132682013	G11-20	EPA 200.8	163337		
70132682014	G12-20	EPA 200.8	163337		
70132682015	G13-20	EPA 200.8	163337		
70132682016	G14-20	EPA 200.8	163337		
70132682017	G15-20	EPA 200.8	163337		
70132682018	G16-20	EPA 200.8	163337		
70132682019	G31-20	EPA 200.8	163337		
70132682020	G32-20	EPA 200.8	163337		
70132682021	G29-20	EPA 200.8	163337		
70132682022	G30-20	EPA 200.8	163337		
70132682023	G17F-20	EPA 200.8	163337		
70132682024	G18-20	EPA 200.8	163337		
70132682025	G19-20	EPA 200.8	163337		
70132682026	G20-20	EPA 200.8	163337		
70132682027	GLF-20	EPA 200.8	163341		
70132682028	GLWR-20	EPA 200.8	163341		
70132682029	G21A-20	EPA 200.8	163341		
70132682030	G21B-20	EPA 200.8	163341		
70132682031	G22-20	EPA 200.8	163341		
70132682032	G23-20	EPA 200.8	163341		
70132682033	G24-20	EPA 200.8	163341		
70132682034	G25-20	EPA 200.8	163341		
70132682035	G26-20	EPA 200.8	163341		
70132682036	G27-20	EPA 200.8	163341		
70132682037	G28-20	EPA 200.8	163341		
70132682038	G17-20	EPA 200.8	163341		
70132682039	A27-20	EPA 200.8	163341		

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