

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  
Buckingham Elementary School  
2414 Durham Road  
Furlong, PA 18912  
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 locations:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm 3	B3-20	16.2 ug/L
Rm 24	B24-20	15.5 ug/L
Rm 55	B55-20	22.4 ug/L

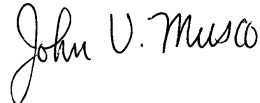
Also, as requested by CBSD, below are a list of locations with lead results above 10 ug/L, but below Pennsylvania Action Level of 15 ug/L:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm 12A	B12A-20	13.6 ug/L
Library	B23A-20	10.9 ug/L
Rm 38	B38-20	10.4 ug/L
Rm 45	B45-20	13.3 ug/L
Rm 47	B47-20	10.2 ug/L
Rm 53	B53-20	10.3 ug/L
Rm 54	B54-20	12.0 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\DYL\data4\200130402\Project Data\Record Data\Reports\Day 1\_5-27-2020\_Buck\_Cold Spring\_Linden\Buckingham\_Lead\_Sampling\_Memo.docx

June 08, 2020

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

RE: Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

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 - BUCKINGHAM

Pace Project No.: 70132683

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### **Pace Analytical Services Long Island**

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B3-20	Lab ID: 70132683001	Collected: 05/27/20 07:07	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>16.2</b>	ug/L	1.0	1		06/05/20 17:23	7439-92-1	

Sample: B4-20	Lab ID: 70132683002	Collected: 05/27/20 07:07	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>4.6</b>	ug/L	1.0	1		06/05/20 17:24	7439-92-1	

Sample: B5-20	Lab ID: 70132683003	Collected: 05/27/20 07:08	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>7.8</b>	ug/L	1.0	1		06/05/20 17:26	7439-92-1	

Sample: B8A-20	Lab ID: 70132683004	Collected: 05/27/20 07:11	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>3.8</b>	ug/L	1.0	1		06/05/20 17:30	7439-92-1	

Sample: B8B-20	Lab ID: 70132683005	Collected: 05/27/20 07:11	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>1.9</b>	ug/L	1.0	1		06/05/20 17:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B9-20	Lab ID: 70132683006	Collected: 05/27/20 07:12	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>7.0</b>	ug/L	1.0	1		06/05/20 17:45	7439-92-1	

Sample: B11-20	Lab ID: 70132683007	Collected: 05/27/20 07:13	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>5.4</b>	ug/L	1.0	1		06/05/20 17:51	7439-92-1	

Sample: B12A-20	Lab ID: 70132683008	Collected: 05/27/20 07:14	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>13.6</b>	ug/L	1.0	1		06/05/20 17:57	7439-92-1	

Sample: B13-20	Lab ID: 70132683009	Collected: 05/27/20 07:15	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>5.0</b>	ug/L	1.0	1		06/05/20 14:35	7439-92-1	

Sample: B16-20	Lab ID: 70132683010	Collected: 05/27/20 07:16	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>7.7</b>	ug/L	1.0	1		06/05/20 14:38	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B17-20		Lab ID: 70132683011	Collected: 05/27/20 07:17	Received: 05/30/20 16:06	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	7.2	ug/L	1.0	1		06/05/20 14:46	7439-92-1	
Sample: B18-20		Lab ID: 70132683012	Collected: 05/27/20 07:18	Received: 05/30/20 16:06	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	4.6	ug/L	1.0	1		06/05/20 14:48	7439-92-1	
Sample: B19-20		Lab ID: 70132683013	Collected: 05/27/20 07:18	Received: 05/30/20 16:06	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	6.0	ug/L	1.0	1		06/05/20 14:54	7439-92-1	
Sample: B24-20		Lab ID: 70132683014	Collected: 05/27/20 07:04	Received: 05/30/20 16:06	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	15.5	ug/L	1.0	1		06/05/20 14:59	7439-92-1	
Sample: B23A-20		Lab ID: 70132683015	Collected: 05/27/20 07:05	Received: 05/30/20 16:06	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	10.9	ug/L	1.0	1		06/05/20 15:04	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: BLF-20	Lab ID: 70132683016	Collected: 05/27/20 07:03	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 15:09	7439-92-1	

Sample: B38-20	Lab ID: 70132683017	Collected: 05/27/20 07:00	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	10.4	ug/L	1.0	1		06/05/20 15:15	7439-92-1	

Sample: B39-20	Lab ID: 70132683018	Collected: 05/27/20 06:59	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	9.8	ug/L	1.0	1		06/05/20 15:19	7439-92-1	

Sample: B40-20	Lab ID: 70132683019	Collected: 05/27/20 07:02	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	5.7	ug/L	1.0	1		06/05/20 15:20	7439-92-1	

Sample: B41-20	Lab ID: 70132683020	Collected: 05/27/20 07:01	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	8.5	ug/L	1.0	1		06/05/20 15:26	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B44-20	Lab ID: 70132683021	Collected: 05/27/20 06:55	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>6.1</b>	ug/L	1.0	1		06/05/20 15:28	7439-92-1	

Sample: B45-20	Lab ID: 70132683022	Collected: 05/27/20 06:56	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>13.3</b>	ug/L	1.0	1		06/05/20 15:30	7439-92-1	

Sample: B46-20	Lab ID: 70132683023	Collected: 05/27/20 06:58	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>9.2</b>	ug/L	1.0	1		06/05/20 15:42	7439-92-1	

Sample: B47-20	Lab ID: 70132683024	Collected: 05/27/20 06:57	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>10.2</b>	ug/L	1.0	1		06/05/20 15:42	7439-92-1	

Sample: B51-20	Lab ID: 70132683025	Collected: 05/27/20 06:52	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>7.7</b>	ug/L	1.0	1		06/05/20 15:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B52-20	Lab ID: 70132683026	Collected: 05/27/20 06:53	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>6.8</b>	ug/L	1.0	1		06/05/20 15:44	7439-92-1	
<b>Sample: B53-20</b>	<b>Lab ID: 70132683027</b>	Collected: 05/27/20 06:50	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>10.3</b>	ug/L	1.0	1		06/05/20 15:47	7439-92-1	
<b>Sample: B54-20</b>	<b>Lab ID: 70132683028</b>	Collected: 05/27/20 06:51	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>12.0</b>	ug/L	1.0	1		06/05/20 15:48	7439-92-1	
<b>Sample: B55-20</b>	<b>Lab ID: 70132683029</b>	Collected: 05/27/20 06:49	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>22.4</b>	ug/L	1.0	1		06/05/20 15:49	7439-92-1	
<b>Sample: B56-20</b>	<b>Lab ID: 70132683030</b>	Collected: 05/27/20 06:50	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<b>5.8</b>	ug/L	1.0	1		06/05/20 15:50	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Sample: B57-20	Lab ID: 70132683031	Collected: 05/27/20 06:45	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		06/05/20 15:53	7439-92-1	

Sample: B58-20	Lab ID: 70132683032	Collected: 05/27/20 06:44	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 15:54	7439-92-1	

Sample: BGA-20	Lab ID: 70132683033	Collected: 05/27/20 06:41	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 15:55	7439-92-1	

Sample: BGB-20	Lab ID: 70132683034	Collected: 05/27/20 06:41	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 15:56	7439-92-1	

Sample: B2A-20	Lab ID: 70132683035	Collected: 05/27/20 06:38	Received: 05/30/20 16:06	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	5.1	ug/L	1.0	1		06/05/20 15:58	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B2B-20</b>	<b>Lab ID: 70132683036</b>	Collected: 05/27/20 06:38	Received: 05/30/20 16:06	Matrix: Drinking Water				
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	3.1	ug/L	1.0	1		06/05/20 15:59	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B57AF-20</b>	<b>Lab ID: 70132683037</b>	Collected: 05/27/20 06:47	Received: 05/30/20 16:06	Matrix: Drinking Water				
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 16:00	7439-92-1	

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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<b>Sample: B6F-20</b>	<b>Lab ID: 70132683038</b>	Collected: 05/27/20 07:09	Received: 05/30/20 16:06	Matrix: Drinking Water				
<b>200.8 MET ICPMS Drinking Water</b>	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		06/05/20 16:01	7439-92-1	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

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: 70132683001, 70132683002, 70132683003, 70132683004

METHOD BLANK: 787004 Matrix: Water  
Associated Lab Samples: 70132683001, 70132683002, 70132683003, 70132683004

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.

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

QC Batch: 163343 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: 70132683005, 70132683006, 70132683007, 70132683008

METHOD BLANK: 787014 Matrix: Water  
Associated Lab Samples: 70132683005, 70132683006, 70132683007, 70132683008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 17:31	

LABORATORY CONTROL SAMPLE: 787015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	47.9	96	85-115	

MATRIX SPIKE SAMPLE: 787017

Parameter	Units	70132684004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.3	108	70-130	

MATRIX SPIKE SAMPLE: 787019

Parameter	Units	70132684012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.1	113	70-130	

SAMPLE DUPLICATE: 787016

Parameter	Units	70132684004 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787018

Parameter	Units	70132684012 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

QC Batch: 163345      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: 70132683009, 70132683010

METHOD BLANK: 787026      Matrix: Water  
Associated Lab Samples: 70132683009, 70132683010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 14:12	

LABORATORY CONTROL SAMPLE: 787027

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

MATRIX SPIKE SAMPLE: 787029

Parameter	Units	70132684020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.5	4	5.9	111	70-130	

MATRIX SPIKE SAMPLE: 787031

Parameter	Units	70132684030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.1	4	6.2	101	70-130	

SAMPLE DUPLICATE: 787028

Parameter	Units	70132684020 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.5	1.4	3	

SAMPLE DUPLICATE: 787030

Parameter	Units	70132684030 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.1	2.1	0	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

QC Batch: 163346 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: 70132683011, 70132683012, 70132683013, 70132683014, 70132683015

METHOD BLANK: 787032 Matrix: Water  
Associated Lab Samples: 70132683011, 70132683012, 70132683013, 70132683014, 70132683015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 14:38	

LABORATORY CONTROL SAMPLE: 787033

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

MATRIX SPIKE SAMPLE: 787035

Parameter	Units	70132684038 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.3	4	6.6	133	70-130	M1

MATRIX SPIKE SAMPLE: 787037

Parameter	Units	70132683013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.0	4	10.2	106	70-130	

SAMPLE DUPLICATE: 787034

Parameter	Units	70132684038 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.3	1.3	3	

SAMPLE DUPLICATE: 787036

Parameter	Units	70132683013 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.0	6.1	1	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS - BUCKINGHAM  
Pace Project No.: 70132683

QC Batch: 163347 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: 70132683016, 70132683017, 70132683018, 70132683019, 70132683020, 70132683021, 70132683022

METHOD BLANK: 787038 Matrix: Water  
Associated Lab Samples: 70132683016, 70132683017, 70132683018, 70132683019, 70132683020, 70132683021, 70132683022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 15:07	

LABORATORY CONTROL SAMPLE: 787039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.8	100	85-115	

MATRIX SPIKE SAMPLE: 787041

Parameter	Units	70132683016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	3.8	94	70-130	

MATRIX SPIKE SAMPLE: 787043

Parameter	Units	70132684059 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.0	101	70-130	

SAMPLE DUPLICATE: 787040

Parameter	Units	70132683016 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787042

Parameter	Units	70132684059 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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**QUALITY CONTROL DATA**

Project: CENTRAL BUCKS - BUCKINGHAM

Pace Project No.: 70132683

QC Batch:	163349	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:	70132683023, 70132683024, 70132683025, 70132683026, 70132683027, 70132683028, 70132683029, 70132683030, 70132683031, 70132683032, 70132683033, 70132683034, 70132683035, 70132683036, 70132683037, 70132683038		

METHOD BLANK:	787045	Matrix:	Water
Associated Lab Samples:	70132683023, 70132683024, 70132683025, 70132683026, 70132683027, 70132683028, 70132683029, 70132683030, 70132683031, 70132683032, 70132683033, 70132683034, 70132683035, 70132683036, 70132683037, 70132683038		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 15:34	

LABORATORY CONTROL SAMPLE:	787046					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.6	97	85-115	

MATRIX SPIKE SAMPLE:	787048						
Parameter	Units	70132684066 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	5.1	104	70-130	

MATRIX SPIKE SAMPLE:	787050						
Parameter	Units	70132683030 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.8	4	10.1	105	70-130	

SAMPLE DUPLICATE:	787047					
Parameter	Units	70132684066 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	<1.0	<1.0			

SAMPLE DUPLICATE:	787049					
Parameter	Units	70132683030 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	5.8	5.7	2		

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**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: CENTRAL BUCKS - BUCKINGHAM

Pace Project No.: 70132683

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS - BUCKINGHAM

Pace Project No.: 70132683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132683001	B3-20	EPA 200.8	163341		
70132683002	B4-20	EPA 200.8	163341		
70132683003	B5-20	EPA 200.8	163341		
70132683004	B8A-20	EPA 200.8	163341		
70132683005	B8B-20	EPA 200.8	163343		
70132683006	B9-20	EPA 200.8	163343		
70132683007	B11-20	EPA 200.8	163343		
70132683008	B12A-20	EPA 200.8	163343		
70132683009	B13-20	EPA 200.8	163345		
70132683010	B16-20	EPA 200.8	163345		
70132683011	B17-20	EPA 200.8	163346		
70132683012	B18-20	EPA 200.8	163346		
70132683013	B19-20	EPA 200.8	163346		
70132683014	B24-20	EPA 200.8	163346		
70132683015	B23A-20	EPA 200.8	163346		
70132683016	BLF-20	EPA 200.8	163347		
70132683017	B38-20	EPA 200.8	163347		
70132683018	B39-20	EPA 200.8	163347		
70132683019	B40-20	EPA 200.8	163347		
70132683020	B41-20	EPA 200.8	163347		
70132683021	B44-20	EPA 200.8	163347		
70132683022	B45-20	EPA 200.8	163347		
70132683023	B46-20	EPA 200.8	163349		
70132683024	B47-20	EPA 200.8	163349		
70132683025	B51-20	EPA 200.8	163349		
70132683026	B52-20	EPA 200.8	163349		
70132683027	B53-20	EPA 200.8	163349		
70132683028	B54-20	EPA 200.8	163349		
70132683029	B55-20	EPA 200.8	163349		
70132683030	B56-20	EPA 200.8	163349		
70132683031	B57-20	EPA 200.8	163349		
70132683032	B58-20	EPA 200.8	163349		
70132683033	BGA-20	EPA 200.8	163349		
70132683034	BGB-20	EPA 200.8	163349		
70132683035	B2A-20	EPA 200.8	163349		
70132683036	B2B-20	EPA 200.8	163349		
70132683037	B57AF-20	EPA 200.8	163349		
70132683038	B6F-20	EPA 200.8	163349		

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