

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  
Kutz Elementary School  
1950 Turk Road  
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 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 locations:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm A11	KA11-20	17.3 ug/L
Rm A14	KA14-20	21.2 ug/L
Rm E5	KE5-20	22.5 ug/L

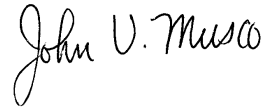
Also, as requested by CBSD, below is a location with a lead result above 10 ug/L, but below Pennsylvania Action Level of 15 ug/L:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm B4	KB4-20	14.4 ug/L

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

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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 2\_5-28-2020\_Gayman\_Groveland\_Kutz\Kutz ES\Kutz\_Lead\_Sampling\_Memo.docx

June 08, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

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 (KUTZ)

Pace Project No.: 70132685

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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 SCHOOL (KUTZ)

Pace Project No.: 70132685

Sample: KA2-20	Lab ID: 70132685001	Collected: 05/28/20 09:35	Received: 05/30/20 10:20	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>1.8</b>	ug/L	1.0	1		06/05/20 16:02	7439-92-1	

Sample: KA3-20	Lab ID: 70132685002	Collected: 05/28/20 09:35	Received: 05/30/20 10:20	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>2.2</b>	ug/L	1.0	1		06/05/20 16:04	7439-92-1	

Sample: KA4-20	Lab ID: 70132685003	Collected: 05/28/20 09:34	Received: 05/30/20 10:20	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>1.8</b>	ug/L	1.0	1		06/05/20 16:09	7439-92-1	

Sample: KA5-20	Lab ID: 70132685004	Collected: 05/28/20 09:33	Received: 05/30/20 10:20	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>5.3</b>	ug/L	1.0	1		06/05/20 16:10	7439-92-1	

Sample: KA6-20	Lab ID: 70132685005	Collected: 05/28/20 09:32	Received: 05/30/20 10:20	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>2.0</b>	ug/L	1.0	1		06/05/20 16:11	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: KA7-20	Lab ID: 70132685006	Collected: 05/28/20 09:31	Received: 05/30/20 10:20	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	2.1	ug/L	1.0	1		06/05/20 16:12	7439-92-1	

Sample: KA8-20	Lab ID: 70132685007	Collected: 05/28/20 09:31	Received: 05/30/20 10:20	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	2.7	ug/L	1.0	1		06/05/20 16:13	7439-92-1	

Sample: KA9-20	Lab ID: 70132685008	Collected: 05/28/20 09:28	Received: 05/30/20 10:20	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	2.0	ug/L	1.0	1		06/05/20 16:14	7439-92-1	

Sample: KA10-20	Lab ID: 70132685009	Collected: 05/28/20 09:30	Received: 05/30/20 10:20	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	2.2	ug/L	1.0	1		06/05/20 16:15	7439-92-1	

Sample: KA11-20	Lab ID: 70132685010	Collected: 05/28/20 09:20	Received: 05/30/20 10:20	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	17.3	ug/L	1.0	1		06/05/20 16:16	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

Sample: KA12-20	Lab ID: 70132685011	Collected: 05/28/20 09:21	Received: 05/30/20 10:20	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	9.1	ug/L	1.0	1		06/05/20 16:17	7439-92-1	

Sample: KA12F-20	Lab ID: 70132685012	Collected: 05/28/20 09:22	Received: 05/30/20 10:20	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 16:18	7439-92-1	

Sample: KA13-20	Lab ID: 70132685013	Collected: 05/28/20 09:26	Received: 05/30/20 10:20	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	3.7	ug/L	1.0	1		06/05/20 16:22	7439-92-1	

Sample: KA13F-20	Lab ID: 70132685014	Collected: 05/28/20 09:25	Received: 05/30/20 10:20	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 16:23	7439-92-1	

Sample: K14-20	Lab ID: 70132685015	Collected: 05/28/20 09:27	Received: 05/30/20 10:20	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	21.2	ug/L	1.0	1		06/05/20 16:24	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: <b>KMOK-20</b>	Lab ID: <b>70132685016</b>	Collected: 05/28/20 10:09	Received: 05/30/20 10:20	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 16:25	7439-92-1	

Sample: <b>KNO-20</b>	Lab ID: <b>70132685017</b>	Collected: 05/28/20 10:07	Received: 05/30/20 10:20	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>&lt;1.0</b>	ug/L	1.0	1		06/05/20 16:26	7439-92-1	

Sample: <b>KNTR-20</b>	Lab ID: <b>70132685018</b>	Collected: 05/28/20 10:08	Received: 05/30/20 10:20	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>2.3</b>	ug/L	1.0	1		06/05/20 16:27	7439-92-1	

Sample: <b>KK1-20</b>	Lab ID: <b>70132685019</b>	Collected: 05/28/20 10:05	Received: 05/30/20 10:20	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>6.6</b>	ug/L	1.0	1		06/05/20 16:28	7439-92-1	

Sample: <b>KCAF-20</b>	Lab ID: <b>70132685020</b>	Collected: 05/28/20 09:55	Received: 05/30/20 10:20	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>&lt;1.0</b>	ug/L	1.0	1		06/05/20 16:29	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: <b>KF-20</b>	Lab ID: <b>70132685021</b>	Collected: 05/28/20 09:56	Received: 05/30/20 10:20	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>&lt;1.0</b>	ug/L	1.0	1		06/05/20 16:32	7439-92-1	

Sample: <b>KB1-20</b>	Lab ID: <b>70132685022</b>	Collected: 05/28/20 09:57	Received: 05/30/20 10:20	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>4.8</b>	ug/L	1.0	1		06/05/20 18:02	7439-92-1	

Sample: <b>KB2-20</b>	Lab ID: <b>70132685023</b>	Collected: 05/28/20 09:57	Received: 05/30/20 10:20	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>4.8</b>	ug/L	1.0	1		06/05/20 18:05	7439-92-1	

Sample: <b>KB3-20</b>	Lab ID: <b>70132685024</b>	Collected: 05/28/20 09:59	Received: 05/30/20 10:20	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>3.7</b>	ug/L	1.0	1		06/05/20 18:06	7439-92-1	

Sample: <b>KB5A-20</b>	Lab ID: <b>70132685025</b>	Collected: 05/28/20 10:03	Received: 05/30/20 10:20	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>2.7</b>	ug/L	1.0	1		06/05/20 18:06	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: <b>KB5B-20</b>	Lab ID: <b>70132685026</b>	Collected: 05/28/20 10:03	Received: 05/30/20 10:20	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>&lt;1.0</b>	ug/L	1.0	1		06/05/20 18:07	7439-92-1	

Sample: <b>KD1-20</b>	Lab ID: <b>70132685027</b>	Collected: 05/28/20 09:38	Received: 05/30/20 10:20	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>4.2</b>	ug/L	1.0	1		06/05/20 18:08	7439-92-1	

Sample: <b>KD2-20</b>	Lab ID: <b>70132685028</b>	Collected: 05/28/20 09:49	Received: 05/30/20 10:20	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>2.9</b>	ug/L	1.0	1		06/05/20 18:09	7439-92-1	

Sample: <b>KD3-20</b>	Lab ID: <b>70132685029</b>	Collected: 05/28/20 09:40	Received: 05/30/20 10:20	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 18:12	7439-92-1	

Sample: <b>KD4-20</b>	Lab ID: <b>70132685030</b>	Collected: 05/28/20 09:41	Received: 05/30/20 10:20	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>6.2</b>	ug/L	1.0	1		06/05/20 18:13	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

Sample: <b>KD5-20</b>	Lab ID: <b>70132685031</b>	Collected: 05/28/20 09:42	Received: 05/30/20 10:20	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>1.2</b>	ug/L	1.0	1		06/05/20 18:14	7439-92-1	

Sample: <b>KD6-20</b>	Lab ID: <b>70132685032</b>	Collected: 05/28/20 09:43	Received: 05/30/20 10:20	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>1.4</b>	ug/L	1.0	1		06/05/20 18:15	7439-92-1	

Sample: <b>KD7-20</b>	Lab ID: <b>70132685033</b>	Collected: 05/28/20 09:43	Received: 05/30/20 10:20	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>1.3</b>	ug/L	1.0	1		06/05/20 18:18	7439-92-1	

Sample: <b>KC1-20</b>	Lab ID: <b>70132685034</b>	Collected: 05/28/20 09:48	Received: 05/30/20 10:20	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>6.3</b>	ug/L	1.0	1		06/05/20 18:19	7439-92-1	

Sample: <b>KC2-20</b>	Lab ID: <b>70132685035</b>	Collected: 05/28/20 09:46	Received: 05/30/20 10:20	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>4.0</b>	ug/L	1.0	1		06/05/20 18:20	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: <b>KC3-20</b>	Lab ID: <b>70132685036</b>	Collected: 05/28/20 09:44	Received: 05/30/20 10:20	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>8.3</b>	ug/L	1.0	1		06/05/20 18:21	7439-92-1	

Sample: <b>KHALL-20</b>	Lab ID: <b>70132685037</b>	Collected: 05/28/20 09:49	Received: 05/30/20 10:20	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>&lt;1.0</b>	ug/L	1.0	1		06/05/20 18:23	7439-92-1	

Sample: <b>KE1-20</b>	Lab ID: <b>70132685038</b>	Collected: 05/28/20 09:49	Received: 05/30/20 10:20	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>4.4</b>	ug/L	1.0	1		06/05/20 18:24	7439-92-1	

Sample: <b>KE2-20</b>	Lab ID: <b>70132685039</b>	Collected: 05/28/20 09:52	Received: 05/30/20 10:20	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>3.9</b>	ug/L	1.0	1		06/05/20 18:25	7439-92-1	

Sample: <b>KE3-20</b>	Lab ID: <b>70132685040</b>	Collected: 05/28/20 09:53	Received: 05/30/20 10:20	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>4.1</b>	ug/L	1.0	1		06/05/20 18:26	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

Sample: KE4-20	Lab ID: 70132685041	Collected: 05/28/20 09:51	Received: 05/30/20 10:20	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>3.1</b>	ug/L	1.0	1		06/05/20 18:27	7439-92-1	

Sample: KE5-20	Lab ID: 70132685042	Collected: 05/28/20 09:50	Received: 05/30/20 10:20	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>22.5</b>	ug/L	1.0	1		06/05/20 18:30	7439-92-1	

Sample: KAI-20	Lab ID: 70132685043	Collected: 05/28/20 09:37	Received: 05/30/20 10:20	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>5.6</b>	ug/L	1.0	1		06/05/20 18:34	7439-92-1	

Sample: KB4-20	Lab ID: 70132685044	Collected: 05/28/20 10:00	Received: 05/30/20 10:20	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>14.4</b>	ug/L	1.0	1		06/05/20 21:08	7439-92-1	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

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: 70132685001

METHOD BLANK: 787045 Matrix: Water

Associated Lab Samples: 70132685001

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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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

QC Batch: 163350

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: 70132685002, 70132685003, 70132685004, 70132685005, 70132685006, 70132685007, 70132685008, 70132685009, 70132685010, 70132685011, 70132685012, 70132685013, 70132685014, 70132685015, 70132685016, 70132685017, 70132685018, 70132685019, 70132685020, 70132685021

METHOD BLANK: 787052

Matrix: Water

Associated Lab Samples: 70132685002, 70132685003, 70132685004, 70132685005, 70132685006, 70132685007, 70132685008, 70132685009, 70132685010, 70132685011, 70132685012, 70132685013, 70132685014, 70132685015, 70132685016, 70132685017, 70132685018, 70132685019, 70132685020, 70132685021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 16:03	

LABORATORY CONTROL SAMPLE: 787053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	46.5	93	85-115	

MATRIX SPIKE SAMPLE: 787055

Parameter	Units	70132685002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.2	4	6.3	104	70-130	

MATRIX SPIKE SAMPLE: 787057

Parameter	Units	70132685012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.1	102	70-130	

SAMPLE DUPLICATE: 787054

Parameter	Units	70132685002 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.2	2.2	1	

SAMPLE DUPLICATE: 787056

Parameter	Units	70132685012 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

QC Batch:	163351	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: 70132685022, 70132685023, 70132685024, 70132685025, 70132685026, 70132685027, 70132685028, 70132685029, 70132685030, 70132685031, 70132685032, 70132685033, 70132685034, 70132685035, 70132685036, 70132685037, 70132685038, 70132685039, 70132685040, 70132685041

METHOD BLANK: 787058 Matrix: Water

Associated Lab Samples: 70132685022, 70132685023, 70132685024, 70132685025, 70132685026, 70132685027, 70132685028, 70132685029, 70132685030, 70132685031, 70132685032, 70132685033, 70132685034, 70132685035, 70132685036, 70132685037, 70132685038, 70132685039, 70132685040, 70132685041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 17:58	

LABORATORY CONTROL SAMPLE: 787059

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

MATRIX SPIKE SAMPLE: 787061

Parameter	Units	70132685022 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	4.8	4	8.8	100	70-130	

MATRIX SPIKE SAMPLE: 787063

Parameter	Units	70132685032 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	4	5.7	108	70-130	

SAMPLE DUPLICATE: 787060

Parameter	Units	70132685022 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	4.8	4.7	2	

SAMPLE DUPLICATE: 787062

Parameter	Units	70132685032 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.4	1.4	1	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

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: 70132685042, 70132685043

METHOD BLANK: 787064      Matrix: Water  
Associated Lab Samples: 70132685042, 70132685043

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	

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL (KUTZ)  
Pace Project No.: 70132685

QC Batch: 163360	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: 70132685044

METHOD BLANK: 787108 Matrix: Water  
Associated Lab Samples: 70132685044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	06/05/20 20:41	

LABORATORY CONTROL SAMPLE: 787109

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	47.2	94	85-115	

MATRIX SPIKE SAMPLE: 787111

Parameter	Units	70132688053 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	4	4.1	100	70-130	

MATRIX SPIKE SAMPLE: 787113

Parameter	Units	70132688063 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.0	4	5.2	105	70-130	

SAMPLE DUPLICATE: 787110

Parameter	Units	70132688053 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 787112

Parameter	Units	70132688063 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.0	1.1	2	

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## QUALIFIERS

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

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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.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS SCHOOL (KUTZ)

Pace Project No.: 70132685

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70132685001	KA2-20	EPA 200.8	163349		
70132685002	KA3-20	EPA 200.8	163350		
70132685003	KA4-20	EPA 200.8	163350		
70132685004	KA5-20	EPA 200.8	163350		
70132685005	KA6-20	EPA 200.8	163350		
70132685006	KA7-20	EPA 200.8	163350		
70132685007	KA8-20	EPA 200.8	163350		
70132685008	KA9-20	EPA 200.8	163350		
70132685009	KA10-20	EPA 200.8	163350		
70132685010	KA11-20	EPA 200.8	163350		
70132685011	KA12-20	EPA 200.8	163350		
70132685012	KA12F-20	EPA 200.8	163350		
70132685013	KA13-20	EPA 200.8	163350		
70132685014	KA13F-20	EPA 200.8	163350		
70132685015	K14-20	EPA 200.8	163350		
70132685016	KMOK-20	EPA 200.8	163350		
70132685017	KNO-20	EPA 200.8	163350		
70132685018	KNTR-20	EPA 200.8	163350		
70132685019	KK1-20	EPA 200.8	163350		
70132685020	KCAF-20	EPA 200.8	163350		
70132685021	KF-20	EPA 200.8	163350		
70132685022	KB1-20	EPA 200.8	163351		
70132685023	KB2-20	EPA 200.8	163351		
70132685024	KB3-20	EPA 200.8	163351		
70132685025	KB5A-20	EPA 200.8	163351		
70132685026	KB5B-20	EPA 200.8	163351		
70132685027	KD1-20	EPA 200.8	163351		
70132685028	KD2-20	EPA 200.8	163351		
70132685029	KD3-20	EPA 200.8	163351		
70132685030	KD4-20	EPA 200.8	163351		
70132685031	KD5-20	EPA 200.8	163351		
70132685032	KD6-20	EPA 200.8	163351		
70132685033	KD7-20	EPA 200.8	163351		
70132685034	KC1-20	EPA 200.8	163351		
70132685035	KC2-20	EPA 200.8	163351		
70132685036	KC3-20	EPA 200.8	163351		
70132685037	KHALL-20	EPA 200.8	163351		
70132685038	KE1-20	EPA 200.8	163351		
70132685039	KE2-20	EPA 200.8	163351		
70132685040	KE3-20	EPA 200.8	163351		
70132685041	KE4-20	EPA 200.8	163351		
70132685042	KE5-20	EPA 200.8	163352		
70132685043	KAI-20	EPA 200.8	163352		
70132685044	KB4-20	EPA 200.8	163360		

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