

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
Unami Middle School
160 Moyer Road
Chalfont, PA 18914
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) on June 6, 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).

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 8_6-6-2020_Holicong_East_East
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June 23, 2020

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

RE: Project: CENTRAL BUCKS SCHOOL(UNAMI)
Pace Project No.: 70133938

Dear Bill Lambing:

Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Sophia Sparkes
sophia.sparkes@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

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(UNAMI)
Pace Project No.: 70133938

| Sample: U201-20 | Lab ID: 70133938001 | Collected: 06/06/20 09:49 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|---------------------------------------|---|---------------------------|--------------------------|------------------------|----------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 12:53 | 7439-92-1 | |
| Sample: U274-20 | Lab ID: 70133938002 | Collected: 06/06/20 09:52 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 12:54 | 7439-92-1 | |
| Sample: U110-20 | Lab ID: 70133938003 | Collected: 06/06/20 09:58 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 2.2 | ug/L | 1.0 | 1 | | 06/23/20 12:55 | 7439-92-1 | |
| Sample: U113A-20 | Lab ID: 70133938004 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 12:56 | 7439-92-1 | |
| Sample: U113B-20 | Lab ID: 70133938005 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 12:57 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

| Sample: U113C-20 | Lab ID: 70133938006 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|---------------------------------------|---|---------------------------|--------------------------|------------------------|----------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:00 | 7439-92-1 | |
| Sample: U113D-20 | Lab ID: 70133938007 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:02 | 7439-92-1 | |
| Sample: U113E-20 | Lab ID: 70133938008 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:03 | 7439-92-1 | |
| Sample: U113F-20 | Lab ID: 70133938009 | Collected: 06/06/20 09:54 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:04 | 7439-92-1 | |
| Sample: U268-20 | Lab ID: 70133938010 | Collected: 06/06/20 09:59 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 1.2 | ug/L | 1.0 | 1 | | 06/23/20 13:05 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(UNAMI)
Pace Project No.: 70133938

| Sample: U268F-20 | Lab ID: 70133938011 | Collected: 06/06/20 09:59 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:06 | 7439-92-1 | |

| Sample: U259F-20 | Lab ID: 70133938012 | Collected: 06/06/20 10:00 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:07 | 7439-92-1 | |

| Sample: U248-20 | Lab ID: 70133938013 | Collected: 06/06/20 10:01 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|-----------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 2.3 | ug/L | 1.0 | 1 | | 06/23/20 13:08 | 7439-92-1 | |

| Sample: U248F-20 | Lab ID: 70133938014 | Collected: 06/06/20 10:01 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:09 | 7439-92-1 | |

| Sample: U242-20 | Lab ID: 70133938015 | Collected: 06/06/20 10:03 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|-----------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:13 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

| Sample: U229A-20 | Lab ID: 70133938016 | Collected: 06/06/20 10:05 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:16 | 7439-92-1 | |

| Sample: U229B-20 | Lab ID: 70133938017 | Collected: 06/06/20 10:05 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:17 | 7439-92-1 | |

| Sample: U204F-20 | Lab ID: 70133938018 | Collected: 06/06/20 10:08 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:18 | 7439-92-1 | |

| Sample: U206-20 | Lab ID: 70133938019 | Collected: 06/06/20 10:07 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|-----------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:19 | 7439-92-1 | |

| Sample: U207-20 | Lab ID: 70133938020 | Collected: 06/06/20 10:07 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|-----------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:20 | 7439-92-1 | |

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

| Sample: U207T-20 | Lab ID: 70133938021 | Collected: 06/06/20 10:07 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 7.9 | ug/L | 1.0 | 1 | | 06/23/20 13:21 | 7439-92-1 | |

| Sample: U302B-20 | Lab ID: 70133938022 | Collected: 06/06/20 10:10 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:22 | 7439-92-1 | |

| Sample: U311F-20 | Lab ID: 70133938023 | Collected: 06/06/20 10:12 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:25 | 7439-92-1 | |

| Sample: U328F-20 | Lab ID: 70133938024 | Collected: 06/06/20 10:13 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:26 | 7439-92-1 | |

| Sample: U333A-20 | Lab ID: 70133938025 | Collected: 06/06/20 10:18 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|------------------|---------------------|---------------------------|--------------------------|------------------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

| | | | | | | | | |
|---------------------------------------|---|------|-----|---|--|----------------|-----------|--|
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:27 | 7439-92-1 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL(UNAMI)
Pace Project No.: 70133938

| Sample: U333B-20 | Lab ID: 70133938026 | Collected: 06/06/20 10:18 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
|---------------------------------------|---|---------------------------|--------------------------|------------------------|----------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:30 | 7439-92-1 | |
| Sample: U333C-20 | Lab ID: 70133938027 | Collected: 06/06/20 10:15 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 1.2 | ug/L | 1.0 | 1 | | 06/23/20 13:31 | 7439-92-1 | |
| Sample: U333D-20 | Lab ID: 70133938028 | Collected: 06/06/20 10:17 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | 2.7 | ug/L | 1.0 | 1 | | 06/23/20 13:32 | 7439-92-1 | |
| Sample: U334A-20 | Lab ID: 70133938029 | Collected: 06/06/20 10:20 | Received: 06/09/20 10:45 | Matrix: Drinking Water | | | | |
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 200.8 MET ICPMS Drinking Water | Analytical Method: EPA 200.8 Pace Analytical Services - Melville | | | | | | | |
| Lead | <1.0 | ug/L | 1.0 | 1 | | 06/23/20 13:33 | 7439-92-1 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

| | | | |
|------------------|-----------|-----------------------|-------------------------------------|
| QC Batch: | 164917 | Analysis Method: | EPA 200.8 |
| QC Batch Method: | EPA 200.8 | Analysis Description: | 200.8 MET No Prep Drinking Water |
| | | Laboratory: | Pace Analytical Services - Melville |

Associated Lab Samples: 70133938001, 70133938002, 70133938003, 70133938004, 70133938005, 70133938006, 70133938007, 70133938008, 70133938009, 70133938010, 70133938011, 70133938012, 70133938013, 70133938014

METHOD BLANK: 795868 Matrix: Water
Associated Lab Samples: 70133938001, 70133938002, 70133938003, 70133938004, 70133938005, 70133938006, 70133938007, 70133938008, 70133938009, 70133938010, 70133938011, 70133938012, 70133938013, 70133938014

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

LABORATORY CONTROL SAMPLE: 795869

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

MATRIX SPIKE SAMPLE: 795871

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

MATRIX SPIKE SAMPLE: 795873

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

SAMPLE DUPLICATE: 795870

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

SAMPLE DUPLICATE: 795872

| Parameter | Units | 70133938005 Result | Dup Result | RPD | Qualifiers |
|-----------|-------|--------------------|------------|-----|------------|
| Lead | ug/L | <1.0 | <1.0 | | |

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CENTRAL BUCKS SCHOOL(UNAMI)
Pace Project No.: 70133938

| | | | |
|------------------|-----------|-----------------------|-------------------------------------|
| QC Batch: | 164918 | 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: 70133938015, 70133938016, 70133938017, 70133938018, 70133938019, 70133938020, 70133938021, 70133938022, 70133938023, 70133938024, 70133938025, 70133938026, 70133938027, 70133938028, 70133938029

METHOD BLANK: 795874 Matrix: Water

Associated Lab Samples: 70133938015, 70133938016, 70133938017, 70133938018, 70133938019, 70133938020, 70133938021, 70133938022, 70133938023, 70133938024, 70133938025, 70133938026, 70133938027, 70133938028, 70133938029

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Lead | ug/L | <1.0 | 1.0 | 06/23/20 13:10 | |

LABORATORY CONTROL SAMPLE: 795875

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Lead | ug/L | 50 | 51.0 | 102 | 85-115 | |

MATRIX SPIKE SAMPLE: 795877

| Parameter | Units | 70133938015 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Lead | ug/L | <1.0 | 4 | 4.4 | 99 | 70-130 | |

MATRIX SPIKE SAMPLE: 795879

| Parameter | Units | 70133938025 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| Lead | ug/L | <1.0 | 4 | 5.1 | 120 | 70-130 | |

SAMPLE DUPLICATE: 795876

| Parameter | Units | 70133938015 Result | Dup Result | RPD | Qualifiers |
|-----------|-------|--------------------|------------|-----|------------|
| Lead | ug/L | <1.0 | <1.0 | | |

SAMPLE DUPLICATE: 795878

| Parameter | Units | 70133938025 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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QUALIFIERS

Project: CENTRAL BUCKS SCHOOL(UNAMI)

Pace Project No.: 70133938

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(UNAMI)
Pace Project No.: 70133938

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 70133938001 | U201-20 | EPA 200.8 | 164917 | | |
| 70133938002 | U274-20 | EPA 200.8 | 164917 | | |
| 70133938003 | U110-20 | EPA 200.8 | 164917 | | |
| 70133938004 | U113A-20 | EPA 200.8 | 164917 | | |
| 70133938005 | U113B-20 | EPA 200.8 | 164917 | | |
| 70133938006 | U113C-20 | EPA 200.8 | 164917 | | |
| 70133938007 | U113D-20 | EPA 200.8 | 164917 | | |
| 70133938008 | U113E-20 | EPA 200.8 | 164917 | | |
| 70133938009 | U113F-20 | EPA 200.8 | 164917 | | |
| 70133938010 | U268-20 | EPA 200.8 | 164917 | | |
| 70133938011 | U268F-20 | EPA 200.8 | 164917 | | |
| 70133938012 | U259F-20 | EPA 200.8 | 164917 | | |
| 70133938013 | U248-20 | EPA 200.8 | 164917 | | |
| 70133938014 | U248F-20 | EPA 200.8 | 164917 | | |
| 70133938015 | U242-20 | EPA 200.8 | 164918 | | |
| 70133938016 | U229A-20 | EPA 200.8 | 164918 | | |
| 70133938017 | U229B-20 | EPA 200.8 | 164918 | | |
| 70133938018 | U204F-20 | EPA 200.8 | 164918 | | |
| 70133938019 | U206-20 | EPA 200.8 | 164918 | | |
| 70133938020 | U207-20 | EPA 200.8 | 164918 | | |
| 70133938021 | U207T-20 | EPA 200.8 | 164918 | | |
| 70133938022 | U302B-20 | EPA 200.8 | 164918 | | |
| 70133938023 | U311F-20 | EPA 200.8 | 164918 | | |
| 70133938024 | U328F-20 | EPA 200.8 | 164918 | | |
| 70133938025 | U333A-20 | EPA 200.8 | 164918 | | |
| 70133938026 | U333B-20 | EPA 200.8 | 164918 | | |
| 70133938027 | U333C-20 | EPA 200.8 | 164918 | | |
| 70133938028 | U333D-20 | EPA 200.8 | 164918 | | |
| 70133938029 | U334A-20 | EPA 200.8 | 164918 | | |

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