

August 4, 2021

Thomas M. Hanna, P.E., LEED AP  
Capital Projects Manager  
Central Bucks School District  
320 West Swamp Road  
Doylestown, PA 18901

**Re: Lead in Drinking Water Sample Collection and Reporting  
Cold Spring Elementary School  
4150 Durham Road  
Doylestown, PA 18902**

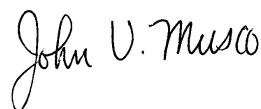
Dear Mr. Hanna:

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. bottle fillers, fountains, sink faucets, etc.) on June 22, 2021 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 figure 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\200130403\Project Data\Record Data\Reports\Day 1\_6-22-2021\_Buck\_Linden\_Cold Spring\_East\_East Stad\3rd\_Cold Spring ES\Cold Spring\_Lead\_Sampling\_Report\_2021.docx

July 07, 2021

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

RE: Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Dear Bill Lambing:

Enclosed are the analytical results for sample(s) received by the laboratory on June 23, 2021. 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 (COLD SPRING)

Pace Project No.: 70178244

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

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)

Pace Project No.: 70178244

Sample: 131A_062221	Lab ID: 70178244001	Collected: 06/22/21 07:41	Received: 06/23/21 19:20	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>6.8</b>	ug/L	1.0	1		07/06/21 17:53	7439-92-1	

Sample: 138A_062221	Lab ID: 70178244002	Collected: 06/22/21 07:43	Received: 06/23/21 19:20	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>5.5</b>	ug/L	1.0	1		07/06/21 17:57	7439-92-1	

Sample: 100C_062221	Lab ID: 70178244003	Collected: 06/22/21 07:44	Received: 06/23/21 19:20	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>3.6</b>	ug/L	1.0	1		07/06/21 17:59	7439-92-1	

Sample: 101_062221	Lab ID: 70178244004	Collected: 06/22/21 07:46	Received: 06/23/21 19:20	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>2.6</b>	ug/L	1.0	1		07/06/21 18:00	7439-92-1	

Sample: 102_062221	Lab ID: 70178244005	Collected: 06/22/21 07:47	Received: 06/23/21 19:20	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		07/06/21 18:01	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 103_062221	Lab ID: 70178244006	Collected: 06/22/21 07:48	Received: 06/23/21 19:20	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>4.5</b>	ug/L	1.0	1		07/06/21 18:02	7439-92-1	
<b>Sample: 104_062221</b>	<b>Lab ID: 70178244007</b>	Collected: 06/22/21 07:49	Received: 06/23/21 19:20	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		07/06/21 18:03	7439-92-1	
<b>Sample: 105_062221</b>	<b>Lab ID: 70178244008</b>	Collected: 06/22/21 07:51	Received: 06/23/21 19:20	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		07/06/21 18:04	7439-92-1	
<b>Sample: 106_062221</b>	<b>Lab ID: 70178244009</b>	Collected: 06/22/21 07:52	Received: 06/23/21 19:20	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>3.6</b>	ug/L	1.0	1		07/06/21 18:05	7439-92-1	
<b>Sample: 107_062221</b>	<b>Lab ID: 70178244010</b>	Collected: 06/22/21 07:53	Received: 06/23/21 19:20	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>2.5</b>	ug/L	1.0	1		07/06/21 18:07	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 108_062221	Lab ID: 70178244011	Collected: 06/22/21 07:54	Received: 06/23/21 19:20	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	2.3	ug/L	1.0	1		07/06/21 18:08	7439-92-1	
<b>Sample: 131FA_062221</b>	<b>Lab ID: 70178244012</b>	Collected: 06/22/21 07:56	Received: 06/23/21 19:20	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		07/06/21 18:12	7439-92-1	
<b>Sample: 131FB_062221</b>	<b>Lab ID: 70178244013</b>	Collected: 06/22/21 07:56	Received: 06/23/21 19:20	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		07/06/21 18:13	7439-92-1	
<b>Sample: 109_062221</b>	<b>Lab ID: 70178244014</b>	Collected: 06/22/21 07:58	Received: 06/23/21 19:20	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	3.1	ug/L	1.0	1		07/06/21 18:14	7439-92-1	
<b>Sample: 111_062221</b>	<b>Lab ID: 70178244015</b>	Collected: 06/22/21 07:59	Received: 06/23/21 19:20	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	3.1	ug/L	1.0	1		07/06/21 18:15	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 130_062221	Lab ID: 70178244016	Collected: 06/22/21 08:01	Received: 06/23/21 19:20	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		07/06/21 18:16	7439-92-1	
<b>Sample: 129_062221</b>	<b>Lab ID: 70178244017</b>	Collected: 06/22/21 08:05	Received: 06/23/21 19:20	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		07/06/21 18:17	7439-92-1	
<b>Sample: 128_062221</b>	<b>Lab ID: 70178244018</b>	Collected: 06/22/21 08:09	Received: 06/23/21 19:20	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	2.5	ug/L	1.0	1		07/06/21 18:19	7439-92-1	
<b>Sample: 128A_062221</b>	<b>Lab ID: 70178244019</b>	Collected: 06/22/21 08:09	Received: 06/23/21 19:20	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	1.9	ug/L	1.0	1		07/06/21 18:21	7439-92-1	
<b>Sample: 125A_062221</b>	<b>Lab ID: 70178244020</b>	Collected: 06/22/21 08:12	Received: 06/23/21 19:20	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		07/06/21 18:22	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 125B_062221	Lab ID: 70178244021	Collected: 06/22/21 08:12	Received: 06/23/21 19:20	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		07/06/21 18:24	7439-92-1	

Sample: 117_062221	Lab ID: 70178244022	Collected: 06/22/21 08:12	Received: 06/23/21 19:20	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		07/06/21 18:28	7439-92-1	

Sample: 118_062221	Lab ID: 70178244023	Collected: 06/22/21 08:13	Received: 06/23/21 19:20	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	2.5	ug/L	1.0	1		07/06/21 18:29	7439-92-1	

Sample: 119_062221	Lab ID: 70178244024	Collected: 06/22/21 08:14	Received: 06/23/21 19:20	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		07/06/21 18:31	7439-92-1	

Sample: 120_062221	Lab ID: 70178244025	Collected: 06/22/21 08:14	Received: 06/23/21 19:20	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	4.7	ug/L	1.0	1		07/06/21 18:33	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 121_062221	Lab ID: 70178244026	Collected: 06/22/21 08:15	Received: 06/23/21 19:20	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	1.5	ug/L	1.0	1		07/06/21 18:34	7439-92-1	
Sample: 122_062221	Lab ID: 70178244027	Collected: 06/22/21 08:16	Received: 06/23/21 19:20	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	1.4	ug/L	1.0	1		07/06/21 18:35	7439-92-1	
Sample: 123_062221	Lab ID: 70178244028	Collected: 06/22/21 08:17	Received: 06/23/21 19:20	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	1.9	ug/L	1.0	1		07/06/21 18:36	7439-92-1	
Sample: 124_062221	Lab ID: 70178244029	Collected: 06/22/21 08:18	Received: 06/23/21 19:20	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	1.9	ug/L	1.0	1		07/06/21 18:37	7439-92-1	
Sample: 201_062221	Lab ID: 70178244030	Collected: 06/22/21 08:22	Received: 06/23/21 19:20	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	4.4	ug/L	1.0	1		07/06/21 18:38	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 202_062221	Lab ID: 70178244031	Collected: 06/22/21 08:22	Received: 06/23/21 19:20	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	1.5	ug/L	1.0	1		07/06/21 18:39	7439-92-1	

Sample: 203_062221	Lab ID: 70178244032	Collected: 06/22/21 08:23	Received: 06/23/21 19:20	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	1.6	ug/L	1.0	1		07/06/21 18:44	7439-92-1	

Sample: 204_062221	Lab ID: 70178244033	Collected: 06/22/21 08:24	Received: 06/23/21 19:20	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	1.7	ug/L	1.0	1		07/06/21 18:45	7439-92-1	

Sample: 205_062221	Lab ID: 70178244034	Collected: 06/22/21 08:25	Received: 06/23/21 19:20	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	3.1	ug/L	1.0	1		07/06/21 18:46	7439-92-1	

Sample: 206_062221	Lab ID: 70178244035	Collected: 06/22/21 08:25	Received: 06/23/21 19:20	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		07/06/21 18:47	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)

Pace Project No.: 70178244

Sample: 207_062221	Lab ID: 70178244036	Collected: 06/22/21 08:26	Received: 06/23/21 19:20	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		07/06/21 18:48	7439-92-1	
Sample: 208_062221	Lab ID: 70178244037	Collected: 06/22/21 08:26	Received: 06/23/21 19:20	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	3.4	ug/L	1.0	1		07/06/21 18:49	7439-92-1	
Sample: 231A_062221	Lab ID: 70178244038	Collected: 06/22/21 08:28	Received: 06/23/21 19:20	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		07/06/21 18:50	7439-92-1	
Sample: 231B_062221	Lab ID: 70178244039	Collected: 06/22/21 08:28	Received: 06/23/21 19:20	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		07/06/21 18:51	7439-92-1	
Sample: 211_062221	Lab ID: 70178244040	Collected: 06/22/21 08:29	Received: 06/23/21 19:20	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		07/06/21 18:52	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 215_062221	Lab ID: 70178244041	Collected: 06/22/21 08:30	Received: 06/23/21 19:20	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	1.3	ug/L	1.0	1		07/06/21 18:56	7439-92-1	
Sample: 227A_062221	Lab ID: 70178244042	Collected: 06/22/21 08:33	Received: 06/23/21 19:20	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		07/06/21 19:00	7439-92-1	
Sample: 227B_062221	Lab ID: 70178244043	Collected: 06/22/21 08:33	Received: 06/23/21 19:20	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		07/06/21 19:01	7439-92-1	
Sample: 217_062221	Lab ID: 70178244044	Collected: 06/22/21 08:35	Received: 06/23/21 19:20	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	1.3	ug/L	1.0	1		07/06/21 19:02	7439-92-1	
Sample: 218_062221	Lab ID: 70178244045	Collected: 06/22/21 08:36	Received: 06/23/21 19:20	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	1.5	ug/L	1.0	1		07/06/21 19:03	7439-92-1	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

Sample: 219_062221	Lab ID: 70178244046	Collected: 06/22/21 08:37	Received: 06/23/21 19:20	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		07/06/21 19:04	7439-92-1	

Sample: 220_062221	Lab ID: 70178244047	Collected: 06/22/21 08:37	Received: 06/23/21 19:20	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		07/06/21 19:05	7439-92-1	

Sample: 221_062221	Lab ID: 70178244048	Collected: 06/22/21 08:41	Received: 06/23/21 19:20	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		07/06/21 19:08	7439-92-1	

Sample: 222_062221	Lab ID: 70178244049	Collected: 06/22/21 08:38	Received: 06/23/21 19:20	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>2.1</b>	ug/L	1.0	1		07/06/21 19:09	7439-92-1	

Sample: 223_062221	Lab ID: 70178244050	Collected: 06/22/21 08:42	Received: 06/23/21 19:20	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		07/06/21 19:10	7439-92-1	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS (COLD SPRING)

Pace Project No.: 70178244

Sample: 224_062221	Lab ID: 70178244051	Collected: 06/22/21 08:43	Received: 06/23/21 19:20	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		07/06/21 19:11	7439-92-1	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

QC Batch:	216484	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: 70178244001, 70178244002, 70178244003, 70178244004, 70178244005, 70178244006, 70178244007, 70178244008, 70178244009, 70178244010, 70178244011, 70178244012, 70178244013, 70178244014, 70178244015, 70178244016, 70178244017, 70178244018, 70178244019, 70178244020

METHOD BLANK: 1090090 Matrix: Water  
Associated Lab Samples: 70178244001, 70178244002, 70178244003, 70178244004, 70178244005, 70178244006, 70178244007, 70178244008, 70178244009, 70178244010, 70178244011, 70178244012, 70178244013, 70178244014, 70178244015, 70178244016, 70178244017, 70178244018, 70178244019, 70178244020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/06/21 17:51	

LABORATORY CONTROL SAMPLE: 1090091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.1	102	85-115	

MATRIX SPIKE SAMPLE: 1090093

Parameter	Units	70178244001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.8	50	66.0	118	70-130	

MATRIX SPIKE SAMPLE: 1090095

Parameter	Units	70178244011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.3	50	57.5	110	70-130	

SAMPLE DUPLICATE: 1090092

Parameter	Units	70178244001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	6.8	6.8	1	

SAMPLE DUPLICATE: 1090094

Parameter	Units	70178244011 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	2.3	2.3	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 (COLD SPRING)  
Pace Project No.: 70178244

QC Batch:	216485	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: 70178244021, 70178244022, 70178244023, 70178244024, 70178244025, 70178244026, 70178244027, 70178244028, 70178244029, 70178244030, 70178244031, 70178244032, 70178244033, 70178244034, 70178244035, 70178244036, 70178244037, 70178244038, 70178244039, 70178244040

METHOD BLANK: 1090096 Matrix: Water  
Associated Lab Samples: 70178244021, 70178244022, 70178244023, 70178244024, 70178244025, 70178244026, 70178244027, 70178244028, 70178244029, 70178244030, 70178244031, 70178244032, 70178244033, 70178244034, 70178244035, 70178244036, 70178244037, 70178244038, 70178244039, 70178244040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/06/21 18:23	

LABORATORY CONTROL SAMPLE: 1090097

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

MATRIX SPIKE SAMPLE: 1090099

Parameter	Units	70178244021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	50.1	100	70-130	

MATRIX SPIKE SAMPLE: 1090101

Parameter	Units	70178244031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.5	50	56.2	110	70-130	

SAMPLE DUPLICATE: 1090098

Parameter	Units	70178244021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1090100

Parameter	Units	70178244031 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.5	1.5	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.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

QC Batch:	216486	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: 70178244041, 70178244042, 70178244043, 70178244044, 70178244045, 70178244046, 70178244047, 70178244048, 70178244049, 70178244050, 70178244051

METHOD BLANK: 1090102 Matrix: Water  
Associated Lab Samples: 70178244041, 70178244042, 70178244043, 70178244044, 70178244045, 70178244046, 70178244047, 70178244048, 70178244049, 70178244050, 70178244051

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/06/21 18:53	

LABORATORY CONTROL SAMPLE: 1090103

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.6	101	85-115	

MATRIX SPIKE SAMPLE: 1090105

Parameter	Units	70178244041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.3	50	53.7	105	70-130	

MATRIX SPIKE SAMPLE: 1090107

Parameter	Units	70178244051 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.9	50	52.8	102	70-130	

SAMPLE DUPLICATE: 1090104

Parameter	Units	70178244041 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.3	1.3	3	

SAMPLE DUPLICATE: 1090106

Parameter	Units	70178244051 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.9	2.0	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 (COLD SPRING)

Pace Project No.: 70178244

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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.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS (COLD SPRING)

Pace Project No.: 70178244

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178244001	131A_062221	EPA 200.8	216484		
70178244002	138A_062221	EPA 200.8	216484		
70178244003	100C_062221	EPA 200.8	216484		
70178244004	101_062221	EPA 200.8	216484		
70178244005	102_062221	EPA 200.8	216484		
70178244006	103_062221	EPA 200.8	216484		
70178244007	104_062221	EPA 200.8	216484		
70178244008	105_062221	EPA 200.8	216484		
70178244009	106_062221	EPA 200.8	216484		
70178244010	107_062221	EPA 200.8	216484		
70178244011	108_062221	EPA 200.8	216484		
70178244012	131FA_062221	EPA 200.8	216484		
70178244013	131FB_062221	EPA 200.8	216484		
70178244014	109_062221	EPA 200.8	216484		
70178244015	111_062221	EPA 200.8	216484		
70178244016	130_062221	EPA 200.8	216484		
70178244017	129_062221	EPA 200.8	216484		
70178244018	128_062221	EPA 200.8	216484		
70178244019	128A_062221	EPA 200.8	216484		
70178244020	125A_062221	EPA 200.8	216484		
70178244021	125B_062221	EPA 200.8	216485		
70178244022	117_062221	EPA 200.8	216485		
70178244023	118_062221	EPA 200.8	216485		
70178244024	119_062221	EPA 200.8	216485		
70178244025	120_062221	EPA 200.8	216485		
70178244026	121_062221	EPA 200.8	216485		
70178244027	122_062221	EPA 200.8	216485		
70178244028	123_062221	EPA 200.8	216485		
70178244029	124_062221	EPA 200.8	216485		
70178244030	201_062221	EPA 200.8	216485		
70178244031	202_062221	EPA 200.8	216485		
70178244032	203_062221	EPA 200.8	216485		
70178244033	204_062221	EPA 200.8	216485		
70178244034	205_062221	EPA 200.8	216485		
70178244035	206_062221	EPA 200.8	216485		
70178244036	207_062221	EPA 200.8	216485		
70178244037	208_062221	EPA 200.8	216485		
70178244038	231A_062221	EPA 200.8	216485		
70178244039	231B_062221	EPA 200.8	216485		
70178244040	211_062221	EPA 200.8	216485		
70178244041	215_062221	EPA 200.8	216486		
70178244042	227A_062221	EPA 200.8	216486		
70178244043	227B_062221	EPA 200.8	216486		
70178244044	217_062221	EPA 200.8	216486		
70178244045	218_062221	EPA 200.8	216486		
70178244046	219_062221	EPA 200.8	216486		
70178244047	220_062221	EPA 200.8	216486		
70178244048	221_062221	EPA 200.8	216486		

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS (COLD SPRING)  
Pace Project No.: 70178244

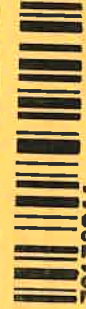
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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70178244049	222_062221	EPA 200.8	216486		
70178244050	223_062221	EPA 200.8	216486		
70178244051	224_062221	EPA 200.8	216486		

### REPORT OF LABORATORY ANALYSIS

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WO#: 70178244



70178244

**CHAIN-OF-CUSTODY / Analytical Request**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields n

**Section A**

**Section B**

**Section C**

**Required Client Information:**  
 Company: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Warrington, PA 18976  
 Email: [blambing@langan.com](mailto:blambing@langan.com)  
 Phone: 215-491-6500 | Fax: 2015-491-6501  
 Requested Due Date: Standard Turn Around (5 day)

**Required Project Information:**  
 Report To: Bill Lambing  
 Copy To:  
 Purchase Order #: 200130403-400-001  
 Project Name: Central Bucks School District (Cold Spring)  
 Project #: 200130403

**Invoice Information:**  
 Attention: Bill Lambing  
 Company Name: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Pace Quote: See Langan-Pace MSA  
 Pace Project Manager: sophia.sparkes@pacelabs.com  
 Pace Profile #: 7983

**Regulatory Agency**  
 State / Location  
 PA

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE	END DATE							
1	Drinking Water	DW	6/22/2021 741	6/22/2021 741	DW G		Unpreserved	X	X		
2	Waste Water	WW	6/22/2021 743	6/22/2021 743	DW G			X	X		
3	Product	P	6/22/2021 744	6/22/2021 744	DW G			X	X		
4	Soil/Solid	SL	6/22/2021 746	6/22/2021 746	DW G			X	X		
5	Oil	OL	6/22/2021 747	6/22/2021 747	DW G			X	X		
6	Wipe	WP	6/22/2021 748	6/22/2021 748	DW G			X	X		
7	Air	AR	6/22/2021 749	6/22/2021 749	DW G			X	X		
8	Other	OT	6/22/2021 751	6/22/2021 751	DW G			X	X		
9	Tissue	TS	6/22/2021 752	6/22/2021 752	DW G			X	X		
10			6/22/2021 753	6/22/2021 753	DW G			X	X		
11			6/22/2021 754	6/22/2021 754	DW G			X	X		
12			6/22/2021 756	6/22/2021 756	DW G			X	X		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Bill Lambing	6/23/2021		Bill Lambing	6/23/2021	12:16	Received on Ice (Y/N)
	Pat O'Brien	6/23/21	16:33	Pat O'Brien	6/23/21	1600	Custody (Y/N)
	Pat O'Brien	6/23/21	19:20	Pat O'Brien	6/23/21	19:20	Sealed Cooler (Y/N)
							Temp in C

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Bill Lambing  
 SIGNATURE of SAMPLER: *Bill Lambing*  
 DATE Signed: 6/23/2021



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

### Section A

Required Client Information:

Company: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Warrington, PA 18976  
 Email: blambing@langan.com  
 Phone: 215-491-6500 Fax 2015-491-6501  
 Requested Due Date: Standard Turn Around (5 day)

### Section B

Required Project Information:

Report To: Bill Lambing  
 Copy To:  
 Purchase Order #: 200130403-400-001  
 Project Name: Central Bucks School District (Cold Spring)  
 Project #: 200130403

### Section C

Invoice Information:

Attention: Bill Lambing  
 Company Name: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Pace Quote: See Langan-Pace MSA  
 Pace Project Manager: sophia.sparkes@pacelabs.com,  
 Pace Profile #: 7983

Regulatory Agency
State / Location
PA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	Preservatives										Y/N Analyses Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)					
				START		END			# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> SO <sub>3</sub>	Methanol	Other	200.7 Metals (PB)																	
				DATE	TIME	DATE	TIME											As		Ag	Al	Bi	Bi	Br	Cd	Cr	Cu	Fe	Hg		Mn	Mo	Ni	Pb	Sb
1	131FB_062221	DW	G	6/22/2021	756	6/22/2021	756	1		X										X															
2	109_062221	DW	G	6/22/2021	758	6/22/2021	758	1		X										X															
3	111_062221	DW	G	6/22/2021	759	6/22/2021	759	1		X										X															
4	130_062221	DW	G	6/22/2021	801	6/22/2021	801	1		X										X															
5	129_062221	DW	G	6/22/2021	805	6/22/2021	805	1		X										X															
6	128_062221	DW	G	6/22/2021	809	6/22/2021	809	1		X										X															
7	128A_062221	DW	G	6/22/2021	809	6/22/2021	809	1		X										X															
8	125A_062221	DW	G	6/22/2021	812	6/22/2021	812	1		X										X															
9	125B_062221	DW	G	6/22/2021	812	6/22/2021	812	1		X										X															
10	117_062221	DW	G	6/22/2021	812	6/22/2021	812	1		X										X															
11	118_062221	DW	G	6/22/2021	813	6/22/2021	813	1		X										X															
12	119_062221	DW	G	6/22/2021	814	6/22/2021	814	1		X										X															
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																			
				<i>Bill Lambing</i>				6/23/2021		<i>Pat O'Hara</i>				6/23/2021	12:6																				
				<i>Pat O'Hara</i>				6/23/2021	16:30	<i>[Signature]</i>					1600																				
				<i>[Signature]</i>				6/23/2021	19:20	<i>Mark [Signature] pace L.I.</i>				6/23/2021	19:20																				

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Bill Lambing	<i>Bill Lambing</i>				
	DATE Signed:	6/23/2021			





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		<b>Regulatory Agency</b>
Company: Langan Engineering		Report To: Bill Lambing		Attention: Bill Lambing		
Address: 2700 Kelly Road, Suite 200		Copy To:		Company Name: Langan Engineering		
Warrington, PA 18976		Purchase Order #: 200130403-400-001		Address: 2700 Kelly Road, Suite 200		
Email: blambing@langan.com		Project Name: Central Bucks School District (Cold Spring)		Pace Quote: See Langan-Pace MSA		<b>State / Location</b>
Phone: 215-491-6500 Fax 2015-491-6501		Project #: 200130403		Pace Project Manager: sophia.sparkes@pacelabs.com,		PA
Requested Due Date: Standard Turn Around (5 day)				Pace Profile #: 7983		

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	Preservatives								Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)				
				START DATE	START TIME	END DATE	END TIME		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		Other	Analyses Test	200.7 Metals (PB)												
1	120_062221	DW	G	6/22/2021	814	6/22/2021	814	1			X							X														
2	121_062221	DW	G	6/22/2021	815	6/22/2021	815	1			X							X														
3	122_062221	DW	G	6/22/2021	816	6/22/2021	816	1			X							X														
4	123_062221	DW	G	6/22/2021	817	6/22/2021	817	1			X							X														
5	124_062221	DW	G	6/22/2021	818	6/22/2021	818	1			X							X														
6	201_062221	DW	G	6/22/2021	822	6/22/2021	822	1			X							X														
7	202_062221	DW	G	6/22/2021	822	6/22/2021	822	1			X							X														
8	203_062221	DW	G	6/22/2021	823	6/22/2021	823	1			X							X														
9	204_062221	DW	G	6/22/2021	824	6/22/2021	824	1			X							X														
10	205_062221	DW	G	6/22/2021	825	6/22/2021	825	1			X							X														
11	206_062221	DW	G	6/22/2021	825	6/22/2021	825	1			X							X														
12	207_062221	DW	G	6/22/2021	826	6/22/2021	826	1			X							X														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	Bill Lambing	6/23/2021		Pace Lab	6/23/2021	12:11			
	<del>Paul Smith</del>	6/23/2021	16:20	<del>Paul Smith</del>		16:00			
			19:20	Maria J. [unclear]		19:20			

<b>SAMPLER NAME AND SIGNATURE</b>		TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Bill Lambing	SIGNATURE of SAMPLER: [Signature]				
DATE Signed: 6/23/2021					







# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

### Section A

#### Required Client Information:

Company: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Warrington, PA 18976  
 Email: [blambing@langan.com](mailto:blambing@langan.com)  
 Phone: 215-491-6500 Fax: 2015-491-6501  
 Requested Due Date: Standard Turn Around (5 day)

### Section B

#### Required Project Information:

Report To: Bill Lambing  
 Copy To:  
 Purchase Order #: 200130403-400-001  
 Project Name: Central Bucks School District (Cold Spring)  
 Project #: 200130403

### Section C

#### Invoice Information:

Attention: Bill Lambing  
 Company Name: Langan Engineering  
 Address: 2700 Kelly Road, Suite 200  
 Pace Quote: See Langan-Pace MSA  
 Pace Project Manager: sophia.sparkes@pacelabs.com,  
 Pace Profile #: 7983

Regulatory Agency  
 State / Location  
 PA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)											Residual Chlorine (Y/N)			
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		Analyses Test	2007 Metals (PB)													
						DATE	TIME	DATE	TIME																										
1	222_062221	DW	G	6/22/2021	838	6/22/2021	838	1			X							X																	
2	223_062221	DW	G	6/22/2021	842	6/22/2021	842	1			X							X																	
3	224_062221	DW	G	6/22/2021	843	6/22/2021	843	1			X							X																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bill Lambing</i>	6/23/2021	12:00	<i>Paul Brown</i>	6/23/2021	1600	
	<i>Paul Brown</i>	6/23/2021	16:30	<i>Paul Brown</i>	6/23/2021	1920	

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: Bill Lambing  
 SIGNATURE of SAMPLER: *Bill Lambing* DATE Signed: 6/23/2021

TEMP in C  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)



Sample Condition Upon Receipt

WO#: 70178244

Client Name: NJ

PM: STS Due Date: 07/09/21 CLIENT: LAN-PA

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature (°C): 23.2 Cooler Temperature Corrected (°C): 23.2

Temp should be above freezing to 6.0°C

USDA Regulated Soil ( N/A, water sample)

Temperature Blank Present: Yes No

Type of Ice: Blue None

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Date and Initials of person examining contents: J.I 1920

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist [F-LI-C-010] and include with SCUR/COC paperwork.

Table with 17 rows and 3 columns. Columns: Question, Yes/No/N/A, and Comments. Includes questions about Chain of Custody, Hold Time, Volume, Containers, and Analysis.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Analysis pulled from profile