

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
Butler Elementary School
200 Brittany Drive
Chalfont, PA 18914**

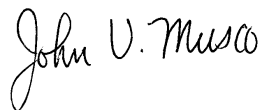
Dear Mr. Hanna:

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 29, 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\DYL\data4\200130403\Project Data\Record Data\Reports\Day 3_6-29-2021_Butler_Mill Creek_South_South
Stad\1st_Butler\Butler_Lead_Sampling_Report_2021.docx

July 12, 2021

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

RE: Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Dear Bill Lambing:

Enclosed are the analytical results for sample(s) received by the laboratory on July 06, 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 (BUTLER)

Pace Project No.: 70179565

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: A116_062921	Lab ID: 70179565001	Collected: 06/29/21 06:02	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.4	ug/L	1.0	1		07/09/21 18:40	7439-92-1	
Sample: A114F_062921	Lab ID: 70179565002	Collected: 06/29/21 06:07	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 18:45	7439-92-1	
Sample: A114_062921	Lab ID: 70179565003	Collected: 06/29/21 06:04	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		07/09/21 18:45	7439-92-1	
Sample: A114A_062921	Lab ID: 70179565004	Collected: 06/29/21 06:04	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		07/09/21 18:46	7439-92-1	
Sample: B101_062921	Lab ID: 70179565005	Collected: 06/29/21 06:09	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.7	ug/L	1.0	1		07/09/21 18:47	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)

Pace Project No.: 70179565

Sample: B102_062921	Lab ID: 70179565006	Collected: 06/29/21 06:10	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		07/09/21 18:48	7439-92-1	
Sample: B103_062921	Lab ID: 70179565007	Collected: 06/29/21 06:11	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.5	ug/L	1.0	1		07/09/21 18:49	7439-92-1	
Sample: B105_062921	Lab ID: 70179565008	Collected: 06/29/21 06:12	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.7	ug/L	1.0	1		07/09/21 18:50	7439-92-1	
Sample: B106_062921	Lab ID: 70179565009	Collected: 06/29/21 06:12	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.5	ug/L	1.0	1		07/09/21 18:51	7439-92-1	
Sample: B107_062921	Lab ID: 70179565010	Collected: 06/29/21 06:13	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.8	ug/L	1.0	1		07/09/21 18:52	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: B108_062921	Lab ID: 70179565011	Collected: 06/29/21 06:14	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		07/09/21 18:55	7439-92-1	
Sample: A128_062921	Lab ID: 70179565012	Collected: 06/29/21 06:17	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.1	ug/L	1.0	1		07/09/21 18:58	7439-92-1	
Sample: A131_062921	Lab ID: 70179565013	Collected: 06/29/21 06:17	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	3.1	ug/L	1.0	1		07/09/21 18:59	7439-92-1	
Sample: A132_062921	Lab ID: 70179565014	Collected: 06/29/21 06:22	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.1	ug/L	1.0	1		07/09/21 19:00	7439-92-1	
Sample: A132A_062921	Lab ID: 70179565015	Collected: 06/29/21 06:20	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:01	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: A132B_062921	Lab ID: 70179565016	Collected: 06/29/21 06:20	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:02	7439-92-1	
Sample: A133_062921	Lab ID: 70179565017	Collected: 06/29/21 06:24	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		07/09/21 19:03	7439-92-1	
Sample: A134_062921	Lab ID: 70179565018	Collected: 06/29/21 06:23	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.2	ug/L	1.0	1		07/09/21 19:04	7439-92-1	
Sample: A136_062921	Lab ID: 70179565019	Collected: 06/29/21 06:25	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.6	ug/L	1.0	1		07/09/21 19:07	7439-92-1	
Sample: A140_062921	Lab ID: 70179565020	Collected: 06/29/21 06:26	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:08	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: A141_062921	Lab ID: 70179565021	Collected: 06/29/21 06:26	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	3.4	ug/L	1.0	1		07/09/21 19:10	7439-92-1	

Sample: A142_062921	Lab ID: 70179565022	Collected: 06/29/21 06:27	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	3.3	ug/L	1.0	1		07/09/21 19:13	7439-92-1	

Sample: A143_062921	Lab ID: 70179565023	Collected: 06/29/21 06:28	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.9	ug/L	1.0	1		07/09/21 19:14	7439-92-1	

Sample: A151_062921	Lab ID: 70179565024	Collected: 06/29/21 06:33	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.3	ug/L	1.0	1		07/09/21 19:15	7439-92-1	

Sample: BGA_062921	Lab ID: 70179565025	Collected: 06/29/21 06:30	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:18	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)

Pace Project No.: 70179565

Sample: BGB_062921	Lab ID: 70179565026	Collected: 06/29/21 06:30	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:19	7439-92-1	

Sample: C102_062921	Lab ID: 70179565027	Collected: 06/29/21 06:36	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.7	ug/L	1.0	1		07/09/21 19:20	7439-92-1	

Sample: C103_062921	Lab ID: 70179565028	Collected: 06/29/21 06:37	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:21	7439-92-1	

Sample: C104_062921	Lab ID: 70179565029	Collected: 06/29/21 06:38	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.3	ug/L	1.0	1		07/09/21 19:22	7439-92-1	

Sample: C105_062921	Lab ID: 70179565030	Collected: 06/29/21 06:39	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.4	ug/L	1.0	1		07/09/21 19:23	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: C106_062921	Lab ID: 70179565031	Collected: 06/29/21 06:40	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	3.4	ug/L	1.0	1		07/09/21 19:24	7439-92-1	
Sample: C106F_062921	Lab ID: 70179565032	Collected: 06/29/21 06:42	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:27	7439-92-1	
Sample: C107_062921	Lab ID: 70179565033	Collected: 06/29/21 06:40	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.9	ug/L	1.0	1		07/09/21 19:30	7439-92-1	
Sample: C108_062921	Lab ID: 70179565034	Collected: 06/29/21 06:42	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	8.5	ug/L	1.0	1		07/09/21 19:31	7439-92-1	
Sample: C109_062921	Lab ID: 70179565035	Collected: 06/29/21 06:43	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.5	ug/L	1.0	1		07/09/21 19:32	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: C110_062921	Lab ID: 70179565036	Collected: 06/29/21 06:44	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	5.7	ug/L	1.0	1		07/09/21 19:33	7439-92-1	

Sample: C111_062921	Lab ID: 70179565037	Collected: 06/29/21 06:45	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.6	ug/L	1.0	1		07/09/21 19:33	7439-92-1	

Sample: C112_062921	Lab ID: 70179565038	Collected: 06/29/21 06:46	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	5.2	ug/L	1.0	1		07/09/21 19:34	7439-92-1	

Sample: C113_062921	Lab ID: 70179565039	Collected: 06/29/21 06:47	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	4.6	ug/L	1.0	1		07/09/21 19:35	7439-92-1	

Sample: C114_062921	Lab ID: 70179565040	Collected: 06/29/21 06:49	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.9	ug/L	1.0	1		07/09/21 19:36	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Sample: C115_062921	Lab ID: 70179565041	Collected: 06/29/21 06:48	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.3	ug/L	1.0	1		07/09/21 19:41	7439-92-1	
Sample: C117_062921	Lab ID: 70179565042	Collected: 06/29/21 06:50	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.2	ug/L	1.0	1		07/09/21 19:44	7439-92-1	
Sample: C123A_062921	Lab ID: 70179565043	Collected: 06/29/21 06:51	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:45	7439-92-1	
Sample: C123B_062921	Lab ID: 70179565044	Collected: 06/29/21 06:51	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:46	7439-92-1	
Sample: C123_062921	Lab ID: 70179565045	Collected: 06/29/21 06:53	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	2.8	ug/L	1.0	1		07/09/21 19:47	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS (BUTLER)

Pace Project No.: 70179565

Sample: C124_062921	Lab ID: 70179565046	Collected: 06/29/21 06:54	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.7	ug/L	1.0	1		07/09/21 19:48	7439-92-1	

Sample: C125_062921	Lab ID: 70179565047	Collected: 06/29/21 06:56	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	<1.0	ug/L	1.0	1		07/09/21 19:49	7439-92-1	

Sample: C126_062921	Lab ID: 70179565048	Collected: 06/29/21 06:56	Received: 07/06/21 19:20	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	1.0	ug/L	1.0	1		07/09/21 19:50	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 (BUTLER)

Pace Project No.: 70179565

QC Batch:	217098	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:	70179565001, 70179565002, 70179565003, 70179565004, 70179565005, 70179565006, 70179565007, 70179565008, 70179565009, 70179565010, 70179565011, 70179565012, 70179565013, 70179565014, 70179565015, 70179565016, 70179565017, 70179565018, 70179565019, 70179565020		

METHOD BLANK:	1093850	Matrix:	Water
Associated Lab Samples:	70179565001, 70179565002, 70179565003, 70179565004, 70179565005, 70179565006, 70179565007, 70179565008, 70179565009, 70179565010, 70179565011, 70179565012, 70179565013, 70179565014, 70179565015, 70179565016, 70179565017, 70179565018, 70179565019, 70179565020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 18:38	

LABORATORY CONTROL SAMPLE:	1093851					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.3	99	85-115	

MATRIX SPIKE SAMPLE:	1093853						
Parameter	Units	70179565001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.4	50	61.6	120	70-130	

MATRIX SPIKE SAMPLE:	1093855						
Parameter	Units	70179565011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	2.6	50	64.2	123	70-130	

SAMPLE DUPLICATE:	1093852					
Parameter	Units	70179565001 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	1.4	1.4	3		

SAMPLE DUPLICATE:	1093854					
Parameter	Units	70179565011 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	2.6	2.6	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 (BUTLER)
Pace Project No.: 70179565

QC Batch:	217100	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: 70179565021, 70179565022, 70179565023, 70179565024, 70179565025, 70179565026, 70179565027, 70179565028, 70179565029, 70179565030, 70179565031, 70179565032, 70179565033, 70179565034, 70179565035, 70179565036, 70179565037, 70179565038, 70179565039, 70179565040

METHOD BLANK: 1093856 Matrix: Water

Associated Lab Samples: 70179565021, 70179565022, 70179565023, 70179565024, 70179565025, 70179565026, 70179565027, 70179565028, 70179565029, 70179565030, 70179565031, 70179565032, 70179565033, 70179565034, 70179565035, 70179565036, 70179565037, 70179565038, 70179565039, 70179565040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 19:09	

LABORATORY CONTROL SAMPLE: 1093857

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

MATRIX SPIKE SAMPLE: 1093859

Parameter	Units	70179565021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.4	50	62.1	117	70-130	

MATRIX SPIKE SAMPLE: 1093861

Parameter	Units	70179565031 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.4	50	52.4	98	70-130	

SAMPLE DUPLICATE: 1093858

Parameter	Units	70179565021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.4	3.4	1	

SAMPLE DUPLICATE: 1093860

Parameter	Units	70179565031 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.4	3.4	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 (BUTLER)

Pace Project No.: 70179565

QC Batch: 217101 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: 70179565041, 70179565042, 70179565043, 70179565044, 70179565045, 70179565046, 70179565047, 70179565048

METHOD BLANK: 1093863 Matrix: Water
 Associated Lab Samples: 70179565041, 70179565042, 70179565043, 70179565044, 70179565045, 70179565046, 70179565047, 70179565048

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/09/21 19:37	

LABORATORY CONTROL SAMPLE: 1093864

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.5	99	85-115	

MATRIX SPIKE SAMPLE: 1093866

Parameter	Units	70179565041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.3	50	57.9	113	70-130	

SAMPLE DUPLICATE: 1093865

Parameter	Units	70179565041 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.3	1.3	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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QUALIFIERS

Project: CENTRAL BUCKS (BUTLER)

Pace Project No.: 70179565

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 (BUTLER)

Pace Project No.: 70179565

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70179565001	A116_062921	EPA 200.8	217098		
70179565002	A114F_062921	EPA 200.8	217098		
70179565003	A114_062921	EPA 200.8	217098		
70179565004	A114A_062921	EPA 200.8	217098		
70179565005	B101_062921	EPA 200.8	217098		
70179565006	B102_062921	EPA 200.8	217098		
70179565007	B103_062921	EPA 200.8	217098		
70179565008	B105_062921	EPA 200.8	217098		
70179565009	B106_062921	EPA 200.8	217098		
70179565010	B107_062921	EPA 200.8	217098		
70179565011	B108_062921	EPA 200.8	217098		
70179565012	A128_062921	EPA 200.8	217098		
70179565013	A131_062921	EPA 200.8	217098		
70179565014	A132_062921	EPA 200.8	217098		
70179565015	A132A_062921	EPA 200.8	217098		
70179565016	A132B_062921	EPA 200.8	217098		
70179565017	A133_062921	EPA 200.8	217098		
70179565018	A134_062921	EPA 200.8	217098		
70179565019	A136_062921	EPA 200.8	217098		
70179565020	A140_062921	EPA 200.8	217098		
70179565021	A141_062921	EPA 200.8	217100		
70179565022	A142_062921	EPA 200.8	217100		
70179565023	A143_062921	EPA 200.8	217100		
70179565024	A151_062921	EPA 200.8	217100		
70179565025	BGA_062921	EPA 200.8	217100		
70179565026	BGB_062921	EPA 200.8	217100		
70179565027	C102_062921	EPA 200.8	217100		
70179565028	C103_062921	EPA 200.8	217100		
70179565029	C104_062921	EPA 200.8	217100		
70179565030	C105_062921	EPA 200.8	217100		
70179565031	C106_062921	EPA 200.8	217100		
70179565032	C106F_062921	EPA 200.8	217100		
70179565033	C107_062921	EPA 200.8	217100		
70179565034	C108_062921	EPA 200.8	217100		
70179565035	C109_062921	EPA 200.8	217100		
70179565036	C110_062921	EPA 200.8	217100		
70179565037	C111_062921	EPA 200.8	217100		
70179565038	C112_062921	EPA 200.8	217100		
70179565039	C113_062921	EPA 200.8	217100		
70179565040	C114_062921	EPA 200.8	217100		
70179565041	C115_062921	EPA 200.8	217101		
70179565042	C117_062921	EPA 200.8	217101		
70179565043	C123A_062921	EPA 200.8	217101		
70179565044	C123B_062921	EPA 200.8	217101		
70179565045	C123_062921	EPA 200.8	217101		
70179565046	C124_062921	EPA 200.8	217101		
70179565047	C125_062921	EPA 200.8	217101		
70179565048	C126_062921	EPA 200.8	217101		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CENTRAL BUCKS (BUTLER)
Pace Project No.: 70179565

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
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REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Doc

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

WO#: 70179565



70179565

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Langan Engineering		Report To: Bill Lambing		Attention: Bill Lambing	
Address: 2700 Kelly Road, Suite 200 Warrington, PA 18976		Copy To:		Company Name: Langan Engineering	
Email: blaming@langan.com		Purchase Order #: 200130403-400-001		Address: 2700 Kelly Road, Suite 200	
Phone: 215-491-6500 Fax 2015-491-6501		Project Name: Central Bucks School District (Butler)		Pace Quote: See Langan-Pace MSA	
Requested Due Date: Standard Turn Around (5 day)		Project #: 200130403		Pace Project Manager: sophia.sparkes@pacelabs.com	
				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 Analyses Test	200.7 Metals (PB)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)			
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other							
						DATE	TIME	DATE	TIME																	
1	A116_062921	DW	G	6/29/2121	602	6/29/2121	602	1			X							X								
2	A114F_062921	DW	G	6/29/2121	607	6/29/2121	607	1			X							X								
3	A114_062921	DW	G	6/29/2121	604	6/29/2121	604	1			X							X								
4	A114A_062921	DW	G	6/29/2121	604	6/29/2121	604	1			X							X								
5	B101_062921	DW	G	6/29/2121	609	6/29/2121	609	1			X							X								
6	B102_062921	DW	G	6/29/2121	610	6/29/2121	610	1			X							X								
7	B103_062921	DW	G	6/29/2121	611	6/29/2121	611	1			X							X								
8	B105_062921	DW	G	6/29/2121	612	6/29/2121	612	1			X							X								
9	B106_062921	DW	G	6/29/2121	612	6/29/2121	612	1			X							X								
10	B107_062921	DW	G	6/29/2121	613	6/29/2121	613	1			X							X								
11	B108_062921	DW	G	6/29/2121	614	6/29/2121	614	1			X							X								
12	A128_062921	DW	G	6/29/2121	617	6/29/2121	617	1			X							X								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bill Lambing</i>	7/2/2021	1200	<i>[Signature]</i>	7/2/2021	1200	
	<i>[Signature]</i>	7/6/21	1530	<i>[Signature]</i>	7/6/21	1620	
	<i>[Signature]</i>	7/6/21	1920	<i>[Signature]</i>	7/6/21	1920	

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: <i>[Signature]</i>					
DATE Signed: 7/2/2021					



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: blaming@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 (Butler)
 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

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								Analyses Test 200.7 Metals (PB)	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)				
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other							
						DATE	TIME	DATE	TIME																	
25	BGA_062921	DW	G	6/29/2121	630	6/29/2121	630	1				X						X								
26	BGB_062921	DW	G	6/29/2121	630	6/29/2121	630	1				X						X								
27	C102_062921	DW	G	6/29/2121	636	6/29/2121	636	1				X						X								
28	C103_062921	DW	G	6/29/2121	637	6/29/2121	637	1				X						X								
29	C104_062921	DW	G	6/29/2121	638	6/29/2121	638	1				X						X								
30	C105_062921	DW	G	6/29/2121	639	6/29/2121	639	1				X						X								
31	C106_062921	DW	G	6/29/2121	640	6/29/2121	640	1				X						X								
32	C106F_062921	DW	G	6/29/2121	642	6/29/2121	642	1				X						X								
33	C107_062921	DW	G	6/29/2121	640	6/29/2121	640	1				X						X								
34	C108_062921	DW	G	6/29/2121	642	6/29/2121	642	1				X						X								
35	C109_062921	DW	G	6/29/2121	643	6/29/2121	643	1				X						X								
36	C110_062921	DW	G	6/29/2121	644	6/29/2121	644	1				X						X								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bill Lambing</i>	7/2/2021	1200	<i>Paul...</i>	7/2/2021	1200	
	<i>Paul...</i>	7/6/21	1620	<i>...</i>	7/6/21	1620	
	<i>Mc...</i>	7/6/21	1920	<i>...</i>	7/6/21	1920	

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: <i>Bill Lambing</i>	DATE Signed: 7/2/2021				



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Section B

Section C

Required Client Information:

Required Project Information:

Invoice Information:

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 (Butler)		Pace Quote: See Langan-Pace MSA	
Phone: 215-491-6500	Fax 2015-491-6501	Project #: 200130403		Pace Project Manager: sophia.sparkes@pacelabs.com	
Requested Due Date: Standard Turn Around (5 day)				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 Wipo 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								Analyses Test Y/N	200.7 Metals (PB)	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)
						DATE	TIME	DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				
37	C111_062921	DW	G	6/29/2121	645	6/29/2121	645		1			X								X			
38	C112_062921	DW	G	6/29/2121	646	6/29/2121	646		1			X								X			
39	C113_062921	DW	G	6/29/2121	647	6/29/2121	647		1			X								X			
40	C114_062921	DW	G	6/29/2121	649	6/29/2121	649		1			X								X			
41	C115_062921	DW	G	6/29/2121	648	6/29/2121	648		1			X								X			
42	C117_062921	DW	G	6/29/2121	650	6/29/2121	650		1			X								X			
43	C123A_062921	DW	G	6/29/2121	651	6/29/2121	651		1			X								X			
44	C123B_062921	DW	G	6/29/2121	651	6/29/2121	651		1			X								X			
45	C123_062921	DW	G	6/29/2121	653	6/29/2121	653		1			X								X			
46	C124_062921	DW	G	6/29/2121	654	6/29/2121	654		1			X								X			
47	C125_062921	DW	G	6/29/2121	656	6/29/2121	656		1			X								X			
48	C126_062921	DW	G	6/29/2121	656	6/29/2121	656		1			X								X			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Bill Lambing</i>	7/2/2021	1200	<i>Bill Lambing</i>	7/2/2021	1200	
	<i>Bill Lambing</i>	7/6/21	1620	<i>Bill Lambing</i>	7/6/21	1620	
	<i>Bill Lambing</i>	7/6/21	1920	<i>Bill Lambing</i>	7/6/21	1920	

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: <i>Bill Lambing</i>					
DATE Signed:		7/2/2021			



Sample Condition Upon Receipt

WO#: 70179565

Client Name: Langan Engineering

Project

PM: STS

Due Date: 07/21/21

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

Temperature Blank Present: Yes No

Type of Ice: Wet Blue (None)

Cooler Temperature(°C): 24.5

Cooler Temperature Corrected(°C): 24.5

Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: MN 7/7/21

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.

				COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		7.
Sufficient Volume: (Triple volume provided for	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		8.
Correct Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No		9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Containers Intact:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		12.
-Includes date/time/ID, Matrix: <u>SL W OIL</u>				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>AC155968</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed:
Per Method, VOA pH is checked after analysis				Lot # of added preservative:
				Date/Time preservative added:
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: