

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  
Tamanend Middle School  
1492 Stuckert Road  
Warrington, PA 18976**

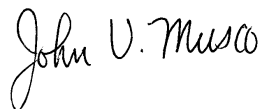
Dear Mr. Hanna:

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 30, 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 4\_6-30-2021\_Titus\_Tamanend\_Barclay\_Pine  
Run\_Unam\2nd\_Tamanend\Tamanend\_Lead\_Sampling\_Report\_2021.docx

July 21, 2021

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

RE: Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

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 SD (TAMANEND)

Pace Project No.: 70179826

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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 SD (TAMANEND)

Pace Project No.: 70179826

Sample: TAUD_063021	Lab ID: 70179826001	Collected: 06/30/21 07:32	Received: 07/06/21 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		07/15/21 16:18	7439-92-1	

Sample: TNA_063021	Lab ID: 70179826002	Collected: 06/30/21 07:36	Received: 07/06/21 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		07/15/21 16:21	7439-92-1	

Sample: TNB_063021	Lab ID: 70179826003	Collected: 06/30/21 07:37	Received: 07/06/21 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		07/15/21 16:22	7439-92-1	

Sample: TN_063021	Lab ID: 70179826004	Collected: 06/30/21 07:35	Received: 07/06/21 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		07/15/21 16:23	7439-92-1	

Sample: T225A_063021	Lab ID: 70179826005	Collected: 06/30/21 06:59	Received: 07/06/21 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		07/15/21 16:24	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

Sample: T225B_063021	Lab ID: 70179826006	Collected: 06/30/21 07:00	Received: 07/06/21 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		07/15/21 16:25	7439-92-1	
<b>Sample: T238_063021</b>	<b>Lab ID: 70179826007</b>	Collected: 06/30/21 07:03	Received: 07/06/21 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		07/15/21 16:28	7439-92-1	
<b>Sample: T508A_063021</b>	<b>Lab ID: 70179826008</b>	Collected: 06/30/21 07:04	Received: 07/06/21 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		07/15/21 16:29	7439-92-1	
<b>Sample: T508B_063021</b>	<b>Lab ID: 70179826009</b>	Collected: 06/30/21 07:04	Received: 07/06/21 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		07/15/21 16:30	7439-92-1	
<b>Sample: TBA_063021</b>	<b>Lab ID: 70179826010</b>	Collected: 06/30/21 06:52	Received: 07/06/21 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		07/15/21 16:31	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

Sample: TBB_063021	Lab ID: 70179826011	Collected: 06/30/21 06:53	Received: 07/06/21 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		07/15/21 16:32	7439-92-1	
<b>Sample: TLO_063021</b>	<b>Lab ID: 70179826012</b>	Collected: 06/30/21 06:55	Received: 07/06/21 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	7.4	ug/L	1.0	1		07/15/21 16:35	7439-92-1	
<b>Sample: T307A_063021</b>	<b>Lab ID: 70179826013</b>	Collected: 06/30/21 07:08	Received: 07/06/21 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	3.2	ug/L	1.0	1		07/15/21 16:36	7439-92-1	
<b>Sample: T307B_063021</b>	<b>Lab ID: 70179826014</b>	Collected: 06/30/21 07:09	Received: 07/06/21 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	2.9	ug/L	1.0	1		07/15/21 16:37	7439-92-1	
<b>Sample: T307C_063021</b>	<b>Lab ID: 70179826015</b>	Collected: 06/30/21 07:09	Received: 07/06/21 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	5.2	ug/L	1.0	1		07/15/21 16:39	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

Sample: T307D_063021	Lab ID: 70179826016	Collected: 06/30/21 07:10	Received: 07/06/21 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	5.1	ug/L	1.0	1		07/15/21 16:40	7439-92-1	

Sample: T307E_063021	Lab ID: 70179826017	Collected: 06/30/21 07:12	Received: 07/06/21 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	12.1	ug/L	1.0	1		07/15/21 16:41	7439-92-1	

Sample: T307F_063021	Lab ID: 70179826018	Collected: 06/30/21 07:12	Received: 07/06/21 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	8.4	ug/L	1.0	1		07/15/21 16:42	7439-92-1	

Sample: T310_063021	Lab ID: 70179826019	Collected: 06/30/21 06:51	Received: 07/06/21 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		07/15/21 16:43	7439-92-1	

Sample: T303_063021	Lab ID: 70179826020	Collected: 06/30/21 07:14	Received: 07/06/21 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		07/15/21 16:44	7439-92-1	

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### ANALYTICAL RESULTS

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

Sample: T301C_063021	Lab ID: 70179826021	Collected: 06/30/21 07:25	Received: 07/06/21 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	5.1	ug/L	1.0	1		07/15/21 16:47	7439-92-1	

Sample: T3012_063021	Lab ID: 70179826022	Collected: 06/30/21 07:24	Received: 07/06/21 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	14.5	ug/L	1.0	1		07/15/21 16:52	7439-92-1	

Sample: T3016_063021	Lab ID: 70179826023	Collected: 06/30/21 07:19	Received: 07/06/21 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	8.9	ug/L	1.0	1		07/15/21 16:53	7439-92-1	

Sample: T3017_063021	Lab ID: 70179826024	Collected: 06/30/21 07:20	Received: 07/06/21 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	13.6	ug/L	1.0	1		07/15/21 16:54	7439-92-1	

Sample: T107_063021	Lab ID: 70179826025	Collected: 06/30/21 07:17	Received: 07/06/21 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		07/15/21 16:55	7439-92-1	

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## ANALYTICAL RESULTS

Project: CENTRAL BUCKS SD (TAMANEND)

Pace Project No.: 70179826

Sample: T104_063021	Lab ID: 70179826026	Collected: 06/30/21 07:28	Received: 07/06/21 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>5.9</b>	ug/L	1.0	1		07/15/21 16:56	7439-92-1	

Sample: T105_063021	Lab ID: 70179826027	Collected: 06/30/21 07:29	Received: 07/06/21 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>4.2</b>	ug/L	1.0	1		07/15/21 16:56	7439-92-1	

Sample: TMO_063021	Lab ID: 70179826028	Collected: 06/30/21 07:31	Received: 07/06/21 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>8.5</b>	ug/L	1.0	1		07/15/21 16:57	7439-92-1	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

QC Batch:	217841	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:	70179826001, 70179826002, 70179826003, 70179826004, 70179826005, 70179826006, 70179826007, 70179826008, 70179826009, 70179826010, 70179826011, 70179826012, 70179826013, 70179826014, 70179826015, 70179826016, 70179826017, 70179826018, 70179826019, 70179826020		

METHOD BLANK:	1097988	Matrix:	Water
Associated Lab Samples:	70179826001, 70179826002, 70179826003, 70179826004, 70179826005, 70179826006, 70179826007, 70179826008, 70179826009, 70179826010, 70179826011, 70179826012, 70179826013, 70179826014, 70179826015, 70179826016, 70179826017, 70179826018, 70179826019, 70179826020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/15/21 16:16	

LABORATORY CONTROL SAMPLE:	1097989					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE:	1097991						
Parameter	Units	70179826001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	59.3	119	70-130	

MATRIX SPIKE SAMPLE:	1097993						
Parameter	Units	70179826011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	58.4	117	70-130	

SAMPLE DUPLICATE:	1097990				
Parameter	Units	70179826001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE:	1097992				
Parameter	Units	70179826011 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.

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### QUALITY CONTROL DATA

Project: CENTRAL BUCKS SD (TAMANEND)  
Pace Project No.: 70179826

QC Batch: 217842      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: 70179826021, 70179826022, 70179826023, 70179826024, 70179826025, 70179826026, 70179826027, 70179826028

METHOD BLANK: 1097994      Matrix: Water  
Associated Lab Samples: 70179826021, 70179826022, 70179826023, 70179826024, 70179826025, 70179826026, 70179826027, 70179826028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	07/15/21 16:45	

LABORATORY CONTROL SAMPLE: 1097995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.2	98	85-115	

MATRIX SPIKE SAMPLE: 1097997

Parameter	Units	70179826021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.1	50	62.3	114	70-130	

SAMPLE DUPLICATE: 1097996

Parameter	Units	70179826021 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	5.1	5.0	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.

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## QUALIFIERS

Project: CENTRAL BUCKS SD (TAMANEND)

Pace Project No.: 70179826

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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 SD (TAMANEND)

Pace Project No.: 70179826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70179826001	TAUD_063021	EPA 200.8	217841		
70179826002	TNA_063021	EPA 200.8	217841		
70179826003	TNB_063021	EPA 200.8	217841		
70179826004	TN_063021	EPA 200.8	217841		
70179826005	T225A_063021	EPA 200.8	217841		
70179826006	T225B_063021	EPA 200.8	217841		
70179826007	T238_063021	EPA 200.8	217841		
70179826008	T508A_063021	EPA 200.8	217841		
70179826009	T508B_063021	EPA 200.8	217841		
70179826010	TBA_063021	EPA 200.8	217841		
70179826011	TBB_063021	EPA 200.8	217841		
70179826012	TLO_063021	EPA 200.8	217841		
70179826013	T307A_063021	EPA 200.8	217841		
70179826014	T307B_063021	EPA 200.8	217841		
70179826015	T307C_063021	EPA 200.8	217841		
70179826016	T307D_063021	EPA 200.8	217841		
70179826017	T307E_063021	EPA 200.8	217841		
70179826018	T307F_063021	EPA 200.8	217841		
70179826019	T310_063021	EPA 200.8	217841		
70179826020	T303_063021	EPA 200.8	217841		
70179826021	T301C_063021	EPA 200.8	217842		
70179826022	T3012_063021	EPA 200.8	217842		
70179826023	T3016_063021	EPA 200.8	217842		
70179826024	T3017_063021	EPA 200.8	217842		
70179826025	T107_063021	EPA 200.8	217842		
70179826026	T104_063021	EPA 200.8	217842		
70179826027	T105_063021	EPA 200.8	217842		
70179826028	TMO_063021	EPA 200.8	217842		

### REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

WO#: 70179826



Client Name: Lang

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: T4091 Correction Factor: +0.0

Cooler Temperature(°C): 19.0 Cooler Temperature Corrected(°C): 19.0

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: 19.7/16/21

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	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.
pH paper Lot # <u>HCO28486</u>		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , 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). Per Method, VOA pH is checked after analysis		Initial when completed: _____ 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.
KI starch test strips Lot #		Positive for Res. Chlorine? Y N
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): _____		

Field Data Required? Y / N  
Date/Time: \_\_\_\_\_

Client Notification/ Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\* PM (Project Manager) review is documented electronically in LIMS.