



September 18, 2024

Mark Jannone
Canton Area School District
509 E. Main Street
Canton, PA 17724

RE: Project: Pb/Cu
Pace Project No.: 30715200

Dear Mark Jannone:

Enclosed are the analytical results for sample(s) received by the laboratory on September 05, 2024. 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 - Ormond Beach

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

Sincerely,

Alaina Deitch

Alaina R. Deitch
alaina.deitch@pacelabs.com
(724)850-5600
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Pb/Cu
Pace Project No.: 30715200

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
California Certification# 3096
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
DoD-ANAB #:ADE-3199
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236

Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Utah
Utah FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Pb/Cu
Pace Project No.: 30715200

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30715200001	Elem. Primary BRR	Drinking Water	09/04/24 06:45	09/05/24 14:15
30715200002	Elem. GYM Lobby BRR	Drinking Water	09/04/24 06:45	09/05/24 14:15
30715200003	Elem. Kitchen Handwash Sink	Drinking Water	09/04/24 06:45	09/05/24 14:15
30715200004	HS 2nd floor Apt fountain	Drinking Water	09/04/24 06:41	09/05/24 14:15
30715200005	HS 1st floor science fountain	Drinking Water	09/04/24 06:41	09/05/24 14:15
30715200006	HS Cafe 3 bay sink	Drinking Water	09/04/24 06:41	09/05/24 14:15

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SAMPLE ANALYTE COUNT

Project: Pb/Cu
Pace Project No.: 30715200

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30715200001	Elem. Primary BRR	EPA 200.8	ADS	2	PASI-O
30715200002	Elem. GYM Lobby BRR	EPA 200.8	ADS	2	PASI-O
30715200003	Elem. Kitchen Handwash Sink	EPA 200.8	ADS	2	PASI-O
30715200004	HS 2nd floor Apt fountain	EPA 200.8	ADS	2	PASI-O
30715200005	HS 1st floor science fountain	EPA 200.8	ADS	2	PASI-O
30715200006	HS Cafe 3 bay sink	EPA 200.8	ADS	2	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: Pb/Cu
Pace Project No.: 30715200

Sample: Elem. Primary BRR		Lab ID: 30715200001	Collected: 09/04/24 06:45		Received: 09/05/24 14:15		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 - Ormond Beach						
Copper	127	ug/L	1.0	1		09/18/24 10:51	7440-50-8	
Lead	6.5	ug/L	1.0	1		09/18/24 10:51	7439-92-1	

Sample: Elem. GYM Lobby BRR		Lab ID: 30715200002	Collected: 09/04/24 06:45		Received: 09/05/24 14:15		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 - Ormond Beach						
Copper	194	ug/L	1.0	1		09/18/24 10:58	7440-50-8	
Lead	2.1	ug/L	1.0	1		09/18/24 10:58	7439-92-1	

Sample: Elem. Kitchen Handwash Sink		Lab ID: 30715200003	Collected: 09/04/24 06:45		Received: 09/05/24 14:15		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 - Ormond Beach						
Copper	160	ug/L	1.0	1		09/18/24 10:59	7440-50-8	
Lead	4.3	ug/L	1.0	1		09/18/24 10:59	7439-92-1	

Sample: HS 2nd floor Apt fountain		Lab ID: 30715200004	Collected: 09/04/24 06:41		Received: 09/05/24 14:15		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 - Ormond Beach						
Copper	39.6	ug/L	1.0	1		09/18/24 11:00	7440-50-8	
Lead	ND	ug/L	1.0	1		09/18/24 11:00	7439-92-1	

Sample: HS 1st floor science fountain		Lab ID: 30715200005	Collected: 09/04/24 06:41		Received: 09/05/24 14:15		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 - Ormond Beach						
Copper	50.7	ug/L	1.0	1		09/18/24 11:02	7440-50-8	
Lead	ND	ug/L	1.0	1		09/18/24 11:02	7439-92-1	

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ANALYTICAL RESULTS

Project: Pb/Cu
Pace Project No.: 30715200

Sample: HS Cafe 3 bay sink		Lab ID: 30715200006	Collected: 09/04/24 06:41	Received: 09/05/24 14:15	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 - Ormond Beach						
Copper	106	ug/L	1.0	1		09/18/24 11:43	7440-50-8	
Lead	1.5	ug/L	1.0	1		09/18/24 11:43	7439-92-1	

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QUALITY CONTROL DATA

Project: Pb/Cu
Pace Project No.: 30715200

QC Batch: 1041773 Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 Analysis Description: 200.8 MET No Prep Drinking Water
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 30715200001, 30715200002, 30715200003, 30715200004, 30715200005, 30715200006

METHOD BLANK: 5725090 Matrix: Water
Associated Lab Samples: 30715200001, 30715200002, 30715200003, 30715200004, 30715200005, 30715200006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	1.0	09/18/24 12:10	
Lead	ug/L	ND	1.0	09/18/24 12:10	

LABORATORY CONTROL SAMPLE: 5725091

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	47.1	94	85-115	
Lead	ug/L	50	48.7	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5725086 5725087

Parameter	Units	30715200001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	127	50	50	181	185	108	118	70-130	3	20	
Lead	ug/L	6.5	50	50	61.6	59.7	110	106	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5725088 5725089

Parameter	Units	35904807006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	0.15 mg/L	50	50	200	200	100	101	70-130	0	20	
Lead	ug/L	0.0024 mg/L	50	50	59.1	58.9	113	113	70-130	0	20	

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: Pb/Cu
Pace Project No.: 30715200

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pb/Cu
Pace Project No.: 30715200

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30715200001	Elem. Primary BRR	EPA 200.8	1041773		
30715200002	Elem. GYM Lobby BRR	EPA 200.8	1041773		
30715200003	Elem. Kitchen Handwash Sink	EPA 200.8	1041773		
30715200004	HS 2nd floor Apt fountain	EPA 200.8	1041773		
30715200005	HS 1st floor science fountain	EPA 200.8	1041773		
30715200006	HS Cafe 3 bay sink	EPA 200.8	1041773		

REPORT OF LABORATORY ANALYSIS

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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at <https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/>

SAMPLE CONDITION UPON RECEIPT (SCUR)									
CLIENT Canton SD		REC'D BY Mlw	PAGE	OF					
REC'D DATE 9/5/24	REC'D TIME 1415								
RECEIVED TEMP (C) 2.6									
RECEIVED ON ICE? <input checked="" type="radio"/>	N	NA							
SAMPLE MATRIX?	IR GUN ID 8								
RECEIPT TEMP WITHIN METHOD REQUIREMENT? <input checked="" type="radio"/>	N	NA							
CUSTODY SEALS? Y <input checked="" type="radio"/>	NA								
SEALS INTACT? Y	N	NA							
WATER TEMPS SHOULD BE ^{FF} ABOVE FREEZING TO 6.0°C (unless frozen dessert) FOR PA SAMPLES: >6°C OK WHEN COLLECTED SAME CALENDAR DAY AS RECEIPT, WHEN ON ICE, WITH EVIDENCE OF COOLING Any "N" response should result in Client Notification being completed.									
CHAIN OF CUSTODY (COC)									
DID COC ACCOMPANY SAMPLES? <input checked="" type="radio"/>		N	SAMPLE LOCATION/DESCRIPTION/ID?	<input checked="" type="radio"/>	N				
IF NO TO ANY QUESTION, COC IS INCOMPLETE AND REQUIRES ATTENTION!			SAMPLER NAME (or INITIAL) AND SIGNATURE PRESENT?	<input checked="" type="radio"/>	N				
IF PWS, DOES COC CONTAIN:			COMPLETE SAMPLE DATES/TIMES?	<input checked="" type="radio"/>	N				
7-DIGIT PWS ID?	Y	N	GRAB/COMPOSITE NOTED?	<input checked="" type="radio"/>	N				
PWS SAMPLE ID?	Y	N	RELINQUISHED SIGNATURE?	<input checked="" type="radio"/>	N				
CONTACT NAME?	Y	N	RELINQUISHED DATES/TIMES?	<input checked="" type="radio"/>	N				
CONTACT NUMBER?	Y	N	RECEIVED SIGNATURE?	<input checked="" type="radio"/>	N				
IS SAMPLE REPORTABLE?	Y	N	RECEIVED DATES/TIMES?	<input checked="" type="radio"/>	N				
LOCID AND SAMPLE TYPE?	Y	N	*NUMBER OF CONTAINERS PER SAMPLE?	<input checked="" type="radio"/>	N				
7-DIGIT PWS ID & PWS SAMPLE ID MUST BE RECORDED ON COC	Y	N	*PRESERVATION AND CONTAINER TYPE(S)?	<input checked="" type="radio"/>	N				
* If the COC does not list the containers/preservative received for each sample, fill out page 2 of this document. If page 2 is not required, it will not be included as part of the sample record.									
BOTTLEWARE & PRESERVATION									
SAMPLE BOTTLES INTACT?	<input checked="" type="radio"/>	N	IF NO, EXPLAIN:						
SAMPLE LABELS MATCH COC? (ID, DATE, TIME)	<input checked="" type="radio"/>	N	IF NO, EXPLAIN:						
CORRECT CONTAINERS?	Y	<input checked="" type="radio"/>	IF NO, EXPLAIN:	sample in wrong container, Matrix not listed					
ADEQUATE VOLUME OF SAMPLE PROVIDED?	<input checked="" type="radio"/>	N	IF NO, EXPLAIN:						
HEADSPACE? Y N <input checked="" type="radio"/>	NA	FIELD FILTERED? Y N <input checked="" type="radio"/>	TRIP BLANKS? Y N <input checked="" type="radio"/>	Refer to ENV-SOP-WILL-0029 for TB requirements					
ALL CONTAINER PRESERVATION MEETS REQUIREMENTS? Y <input checked="" type="radio"/>		NA	IF NO, EXPLAIN:						
PRESERVATION CHECKED		DATE	TIME	INITIALS					
PRESERVATION ADDED		DATE	TIME	INITIALS					
PRESERVATIVE: LIMS Reagent ID:	PH STRIPS Lot #	DATE	SAMPLES LABELED BY	DATE 9/5/24					
CLIENT NOTIFICATION (completed by PM)		INITIALS Mlw	TIME 1645						
DATE/TIME:		FILL OUT THE FOLLOWING:							
PAS-WILLIAMSPORT EMPLOYEE:		REASON FOR CONTACT:							
PERSON CONTACTED:		OUTCOME OF DISCUSSION:							
CIRCLE METHOD OF CONTACT: PHONE / EMAIL / OTHER		ADDITIONAL NOTES:							



PAS, LLC - Williamsport, PA
2829 Reach Rd., Williamsport, PA 17701
570.326.4001

FIELD CHLORINE TESTING LOG

Affix Work Order Label Here

Client:	
Pace Employee:	
Meter #:	Date of Calibration:

FIELD DATA				
Sample	Sample Identification	Sample Date	Sample Time	Residual Chlorine (Free)
1				mg/L
2				mg/L
3				mg/L
4				mg/L
5				mg/L
6				mg/L
7				mg/L
8				mg/L
9				mg/L
10				mg/L

- ALL drinking water compliance coliform samples must be field tested for residual chlorine at the time of sample collection, even if residual chlorine testing would not normally be required at that location.
- Very high chlorine levels will overwhelm the DPD and cause a false negative result. This can sometimes be noted as an initial bright pink color which fades to no color after a few seconds. In these cases, dilution of the sample will be necessary to obtain an accurate chlorine measurement.
- Bench-testing for residual chlorine is required if the field-testing result is > 5 mg/L.

Field Comments/Observations.