August Mack
ENVIRONMENTAL

610.387.6930 ▪ augustmack.com
806 Fayette Street ▪ Conshohocken, Pennsylvania 19428

July 29, 2022

Unit Three Falls Center, LP
2929 Walnut Street, Suite 1540
Philadelphia, PA 19104
Attn. Madison Gould
mgould@philadelphiahebrewpublic.org

RE: Final Report
Lead in Drinking Water Sampling
Philadelphia Hebrew Public Charter School
2nd Floor, Four Falls
3300 Henry Avenue
Philadelphia, PA 19129
August Mack Project Number: JW2549.937

Dear Ms. Gould,

August Mack Environmental, Inc. (August Mack) has completed lead in drinking water sampling for the Philadelphia Hebrew Public Charter School at 3300 Henry Avenue, Philadelphia, PA (the "subject property"). A summary of the sampling activities, laboratory analytical analysis, and results are provided in the following sections.

LEAD IN DRINKING WATER SAMPLING

On July 13, 2022, August Mack collected drinking water samples in the 2nd floor of the Four Falls portion of the subject property from the following locations:

- The drink fountain located in the hallway outside Classroom 265, and
- The drinking fountain in the hallway outside Classroom 254 (directly adjacent to the bathroom).

Two (2) samples were collected at each location; one (1) first draw and one (1) second draw (or flush) sample. First-draw samples are representative of the water that may be consumed at the beginning of the day or after infrequent use (infrequent use means the water has not been used in the previous 18 hours). The initial first draw sample consists of water that has been in contact with the interior plumbing, the valve and fittings, the storage unit, and the section of plumbing closest to the outlet of the unit. Second-draw (or flush) samples represent the water in contact with the lateral or riser upstream of the drinking water source. This sample was collected immediately after the initial first draw

sample once the water has run for 30 seconds for a standard drinking water source, and 15 minutes for drinking water fountains with water coolers to ensure no stagnant water is left in the cooler storage unit. Samples were collected in 250 milliliter plastic containers pre-preserved with nitric acid. The samples were submitted to Pace Analytical, a Philadelphia and Pennsylvania-certified laboratory. A copy of the laboratory analytical results are provided as an attachment.

The following table summarizes the date, locations, and results of the lead in drinking water sampling:

Date	Sample Location	Results (µg/L)
7/13/2022	WF-265-Draw	ND^
7/13/2022	WF-265-Flush	ND^
7/13/2022	WF-254/Bath-Draw	ND^
7/13/2022	WF-254/Bath-Flush	ND^

* µg/L = micrograms per liter of water.
^ ND = Not detected.

As shown in the table above, no lead was identified above the laboratory reporting limit in any of the drinking water samples collected. **Therefore, all samples were below the City of Philadelphia's School District standard of 10 micrograms per liter (µg/L).**

We trust that this report is responsive to your needs and appreciate the opportunity to provide you with these environmental services. Please feel free to contact us if you have any questions or if we can be of any further assistance.

Sincerely,
August Mack Environmental, Inc.

William Chaykin
Project Manager/Building Sciences Manager

Aaron Manka
Principal, Building Sciences

Attachments

ATTACHMENT

Lead In Drinking Water Laboratory Analytical Results

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

July 15, 2022

Mr. Jon Buzan
August Mack Environmental
806 Fayette Street
, PA

RE: Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Dear Mr. Buzan:

Enclosed are the analytical results for sample(s) received by the laboratory on July 14, 2022. 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 - Beaver

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

Sincerely,

Steven L. Smith
steve.l.smith@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Mr. Chris Abel, August Mach Environmental
Mr. John Krinis, August Mack Environmental
Mr. Noah Shreiner, August Mack Environmental Inc

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Pace Analytical Services Beaver
225 Industrial Park Road, Beaver, WV 25813
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30505710001	**WF-265-DRAW**	Drinking Water	07/13/22 09:45	07/14/22 10:33
30505710002	**WF-265-FLUSH**	Drinking Water	07/13/22 09:50	07/14/22 10:33
30505710003	**WF-254 BATH-DRAW**	Drinking Water	07/13/22 09:35	07/14/22 10:33
30505710004	**WF-254 BATH-FLUSH**	Drinking Water	07/13/22 10:00	07/14/22 10:33

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30505710001	**WF-265-DRAW**	EPA 200.8	WES	1	PASI-BV
30505710002	**WF-265-FLUSH**	EPA 200.8	WES	1	PASI-BV
30505710003	**WF-254 BATH-DRAW**	EPA 200.8	WES	1	PASI-BV
30505710004	**WF-254 BATH-FLUSH**	EPA 200.8	WES	1	PASI-BV

PASI-BV = Pace Analytical Services - Beaver

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

PROJECT NARRATIVE

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Method: **EPA 200.8**
Description: BVR 200.8 MET ICPMS DW
Client: August Mack - Conshohocken
Date: July 15, 2022

General Information:
4 samples were analyzed for EPA 200.8 by Pace Analytical Services Beaver. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Sample: WF-265-DRAW **Lab ID: 30505710001** Collected: 07/13/22 09:45 Received: 07/14/22 10:33 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Method: EPA 200.8 Pace Analytical Services - Beaver							
Lead	ND	ug/L	0.50	1		07/14/22 14:27	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Sample: WF-265-FLUSH **Lab ID: 30505710002** Collected: 07/13/22 09:50 Received: 07/14/22 10:33 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Method: EPA 200.8 Pace Analytical Services - Beaver							
Lead	ND	ug/L	0.50	1		07/14/22 14:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Sample: WF-254 BATH-DRAW **Lab ID: 30505710003** Collected: 07/13/22 09:35 Received: 07/14/22 10:33 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Method: EPA 200.8 Pace Analytical Services - Beaver							
Lead	ND	ug/L	0.50	1		07/14/22 14:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Sample: WF-254 BATH-FLUSH **Lab ID: 30505710004** Collected: 07/13/22 10:00 Received: 07/14/22 10:33 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Method: EPA 200.8 Pace Analytical Services - Beaver							
Lead	ND	ug/L	0.50	1		07/14/22 14:36	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

QC Batch: 518840 | Analysis Method: EPA 200.8
QC Batch Method: EPA 200.8 | Analysis Description: ICPMS Metals, No Prep
Laboratory: Pace Analytical Services - Beaver
Associated Lab Samples: 30505710001, 30505710002, 30505710003, 30505710004

METHOD BLANK: 2515082 Matrix: Drinking Water
Associated Lab Samples: 30505710001, 30505710002, 30505710003, 30505710004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	0.50	07/14/22 14:13	

LABORATORY CONTROL SAMPLE: 2515083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	20	20.8	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2515084 2515085

Parameter	Units	30504674001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	ug/L	ND	20	20	20.8	20.7	102	102	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

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.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PHILAN HEBRON PUBLIC CHARTER
Pace Project No.: 30505710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30505710001	**WF-265-DRAW**	EPA 200.8	518840		
30505710002	**WF-265-FLUSH**	EPA 200.8	518840		
30505710003	**WF-254 BATH-DRAW**	EPA 200.8	518840		
30505710004	**WF-254 BATH-FLUSH**	EPA 200.8	518840		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workor

WO# : 30505710

30505710

ALL BOLD OUTL

Container Preservative Type

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: AugustMack Env.

Address: 806 Fayette Street

Report To: Jon Buzan

Copy To: John Krinj

Billing Information: Same

Email To: jbuzan@augustmack.com

Site Collection Info/Address: Four Falls - Henry Ave

Customer Project Name/Number: Phila. Hebrew Public Charter School

State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [✓]ET

Phone:

Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [✓] No

Collected By (print): William Chapkin Jr.

Collected By (signature):

Purchase Order # :

Quote #:

DW PWS ID #:

DW Location Code:

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[✓] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [✓] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	Analyses: 4 4 4 PB6 250mL HDPE-HNO3 (Lead in DW)	Lab Sample # / Comments
WF-265-Draw	DW	Grab	7/13/22	9:45				1	P		18838 BP3N x4
WF-265-Flush	↓	↓	↓	9:50				1	P		
WF-254/Bath-Draw				9:55				1	P		
WF-254/Bath-Flush				10:00				1	P		

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #:

Samples received via: (FEDEX) UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: BVTM10
Cooler 1 Temp Upon Receipt: .6 oC
Cooler 1 Therm Corr. Factor: 0 o
Cooler 1 Corrected Temp: .6 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	7/13/22	PNPPA	7/13 1430
		7.14.22	1033

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N (NA)
HCL MeOH TSP Other

Non Conformance(s): YES / NO

LIMS73 Lab Sample Condition Upon Receipt (West Virginia)

WO#: 30505710

PM: SLS **Due Date: 07/21/22**

CLIENT: AUGMACKCON

Pace Analytical

Client Name: _____

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other: _____

Tracking #: _____

Custody Seal on Cooler/Box/Containers Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used M10 **Type of Ice:** (Wet) Blue None

Cooler Temperature **Observed Temp** .6 °C Correction Factor: 0 °C Final Temp: .6 °C

Comments:

pH paper Lot#	Date and Initials of person examining contents:
223414	MK 7.14

	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: -Includes date/time/ID Matrix: DW	✓			5. Lab Labeled by: MK Checked by:
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:	✓	*me		8. 5 day
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓ ✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous sample field filtered: -pH adjusted within 24 hours? (If yes, indicate acid lot #)			✓ ✓	13.
Filtered volume received for Dissolved tests:			✓	14.
All containers have been checked for preservation: exceptions: VOA, coliform, O&G, LLMercury, Non-aqueous matrix	✓			15.
All containers meet method preservation requirements:	✓			Initial when completed: MK Date: 7.14.22
				Tests not preserved:
Headspace in VOA Vials:			✓	16.
Trip Blank Present:			✓	17.
Trip Blank Custody Seals Present:			✓	
				Initial when completed: MK Date: 7.14.22

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

***PM review** is documented electronically in LIMS, when the Project Manager closes the SRF Review schedule in LIMS. The status may be reviewed in the Status section of the Workorder Edit Screen.