

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
2<sup>nd</sup> 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 2<sup>nd</sup> 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	Cample Legation	Results
Date	Sample Location	(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^

<sup>\*</sup>  $\mu$ g/L = micrograms per liter of water.

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

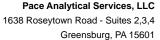
Principal, Building Sciences

Attachments

<sup>^</sup> ND = Not detected.

## ATTACHMENT

Lead In Drinking Water Laboratory Analytical Results



(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

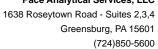
(724)850-5600 Project Manager

Enclosures

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

Mr. Noah Shreiner, August Mack Environmental Inc







### **CERTIFICATIONS**

Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

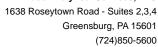
**Pace Analytical Services Beaver** 

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



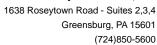


### **SAMPLE SUMMARY**

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





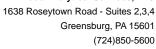
### **SAMPLE ANALYTE COUNT**

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





### **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:

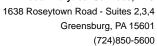
All laboratory control spike compounds were within QC limits with any exceptions noted below.

### 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.



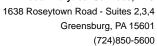


Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

Date: 07/15/2022 11:42 AM

Sample: WF-265-DRAW	Lab ID: 305	505710001	Collected: 07/13/2	22 09:45	Received: 07	7/14/22 10:33	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Met Pace Analytic							
Lead	ND	ug/L	0.50	1		07/14/22 14:27	7439-92-1	

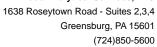




Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

Sample: WF-265-FLUSH	Lab ID: 30	505710002	Collected: 07/13/2	22 09:50	Received: 07	7/14/22 10:33 N	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Me Pace Analytic							
Lead	ND	ug/L	0.50	1		07/14/22 14:30	7439-92-1	

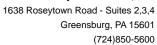




Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

Sample: WF-254 BATH-DRAW	Lab ID: 30	505710003	Collected: 07/13/2	22 09:35	Received: 07	7/14/22 10:33	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Me Pace Analytic							
Lead	ND	ug/L	0.50	1		07/14/22 14:33	7439-92-1	

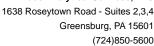




Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

Sample: WF-254 BATH-FLUSH	Lab ID: 30	505710004	Collected: 07/13/2	22 10:00	Received: 07	7/14/22 10:33 I	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 MET ICPMS DW	Analytical Me							
Lead	ND	ug/L	0.50	1		07/14/22 14:36	7439-92-1	





### **QUALITY CONTROL DATA**

Project: PHILAN HEBRON PUBLIC CHARTER

Pace Project No.: 30505710

Date: 07/15/2022 11:42 AM

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

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 0.50 07/14/22 14:13

LABORATORY CONTROL SAMPLE: 2515083

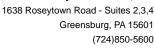
Spike LCS LCS % Rec Conc. Result % Rec Limits Qualifiers Parameter Units ug/L Lead 20 20.8 104 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2515084 2515085

MS MSD

30504674001 Spike Spike MS MSD MS MSD % Rec Max Parameter Units Conc. Conc. Result Result % Rec % Rec **RPD** RPD Qual Result Limits ND 20 Lead ug/L 20 20 20.8 20.7 102 102 70-130 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.





### **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.

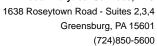
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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.

Date: 07/15/2022 11:42 AM





### **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		

# Pace Analytical

### **CHAIN-OF-CUSTODY Analytical Request Document**

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 UNLY- Affix Workor

WO#:30505710



ompany: August Mack Env. Billing Information: **ALL BOLD OUTL** Jon Buzan Container Preservative Type Email To: jbuzan@augustmack.com \*\* 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, Site Collection Info/Address: (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other Four Falls - Honsy Ave Lab Profile/Line: Analyses Time Zone Collected: ıstomer Project Name/Number: State: County/City: Lab Sample Receipt Checklist: Philas Hebren Public Charter School 3 [ ]PT [ ]MT [ ]CT [ SET Custody Seals Present/Intact Y N NA Site/Facility ID #: Compliance Monitoring? Custody Signatures Present Y N NA HNOS (Ladin MINO Collector Signature Present Y N NA nail: [ ] Yes Bottles Intact ollected By (print); Purchase Order #: DW PWS ID #: Correct Bottles Y N NA William Charling Jr. Quote #: DW Location Code: Sufficient Volume Y N NA ollected By (signature): or Glass (G) Samples Received on Ice Turnaround Date Required: Immediately Packed on Ice: Y N NA VOA - Headspace Acceptable YNNA [ ] Yes [ ] No USDA Regulated Soils Y N NA Rush: (Expedite Charges Apply) Field Filtered (if applicable): Samples in Holding Time Y N NA Dispose as appropriate 1004 [ ] Same Day [ ] Next Day [ ] Yes [ ] No Residual Chlorine Present Y N NA Container Type: Plastic (P) 1 Return Cl Strips: [ ] 2 Day [ ] 3 Day Sample pH Acceptable Y N NA 1 Archive: [ ] 4 Day [ 5 Day Analysis: pH Strips: Sulfide Present Y N NA Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Lead Acetate Strips: 0 Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT) LAB USE ONLY: # of Comp / Collected (or Res Composite End Lab Sample # / Comments: Matrix \* istomer Sample ID Grab Composite Start) CI Ctns Date Time Date Time 9 WF- 265 - Draw DW 6543 7/13/22 9:45 w E-265- Flwh 9:50 WF-254/Bath-Draw 9:35 WF-254/Bath-Flowh 14:60 P LAB Sample Temperature Info: ustomer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue SHORT HOLDS PRESENT (<72 hours): Y (N) N/A Dry None Temp Blank Received: Y Packing Material Used: Lab Tracking #: Therm ID#: NO MICO Cooler 1 Temp Upon Receipt: . CC Cooler 1 Therm Corr. Factor: 🚫 o Samples received via: Radchem sample(s) screened (<500 cpm): Y N Cooler 1 Corrected Temp: 00 FEDEX) Client Courier Pace Courier Comments: elinquished by/Company: (Signature) Received by / Company (Signature) MTJL LAB USE ONLY Date/Time: 14 30 Table #: 7/13/22 Trip Blank Received: Y N (NA) Received by Company: (Signature) Date/Time: Acctnum: Date/Time: HCL MeOH TSP Other Template: Prelogin: Non Conformance(s): PBage 13 of 14 elinquished by/Company: (Signature) PM: Date/Time: Received by/Company: (Signature) Date/Time: PB: YES / NO

# LIMS73 Lab Sample Condition Upon Receipt (West Virginia)

Client Name:

Custody Seal on Cooler/Box/Containers Present:

yes

N No

Type of Ice: Wet Blue

None

Seals intact:

☐ yes

Mno

Correction Factor:

ć

Final Temp:

ô

Cooler Temperature Thermometer Used

Observed Temp

Courier: Fed Ex

UPS

USPS

Client

☐ Commercial

Face Analytical

Tracking #:

١	$\mathbf{\Sigma}$
١	5
١	#2
١	44
1	• •
1	W
١	0
	Ŋ
	O
	5
	Zi
	1
	1
	0

0000		
Other		
	CLIENT:	STS.
	CLIENT: AUGMACKCON	Due
		Date:
	Page 1	Due Date: U//ZI4

Comments:				pH paper Lot# Date and Initials of person examining contents: The contents of person examining
	Yes	No	N/A	
Chain of Custody Present:	1			1
Chain of Custody Filled Out:	1			2.
Chain of Custody Relinquished:	1			is.
Sampler Name & Signature on COC:	1			4.
Sample Labels match COC:	1			5.
-Includes date/time/ID Matrix:	2			Lab Labeled by: Checked by:
Samples Arrived within Hold Time:	/			6.
Short Hold Time Analysis (<72hr remaining):		/		7.
Rush Turn Around Time Requested:	1	如	M	8.5 Cav
Sufficient Volume:	1			9.
Correct Containers Used:	1			10.
-Pace Containers Used:	1			
Containers Intact:	1			11.
Orthophosphate field filtered:			1	12.
Hex Cr Aqueous sample field filtered:			1	13.
-pH adjusted within 24 hours? (If yes, indicate acid lot #)			/	
Filtered volume received for Dissolved tests:			1	14.
All containers have been checked for preservation:	1			15.
exceptions: VOA, coliform, O&G, LLMercury, Non-aqueous matrix	Σ.			
All containers meet method preservation requirements:	1			Initial when Date: 7 14 22
				Tests not preserved:
Headspace in VOA Vials:			1	16.
Trip Blank Present:			1	17.
Trip Blank Custody Seals Present:			1	
	١			
Client Notification/ Resolution:  Person Contacted:			Date/Time:	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.