Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

August 19, 2024

William Kotas
Intertek PSI
17 British American Boulevard
Latham, NY 12110

RE: Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Dear William Kotas:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 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 - Melville

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

Sincerely,

Jennifer Aracri for
Lori A. Beyer
lori.beyer@pacelabs.com
516-370-6014
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Pace Analytical Services, LLC - Melville, NY
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

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SAMPLE SUMMARY

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70308645001	**HS 181**	Drinking Water	08/12/24 09:59	08/13/24 07:00
70308645002	**HS 199**	Drinking Water	08/12/24 10:01	08/13/24 07:00
70308645003	**HS 226**	Drinking Water	08/12/24 09:55	08/13/24 07:00
70308645004	**HS 233**	Drinking Water	08/12/24 10:08	08/13/24 07:00

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SAMPLE ANALYTE COUNT

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70308645001	**HS 181**	EPA 200.8	JJS	1
70308645002	**HS 199**	EPA 200.8	JJS	1
70308645003	**HS 226**	EPA 200.8	JJS	1
70308645004	**HS 233**	EPA 200.8	JJS	1

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Sample: HS 181 **Lab ID: 70308645001** Collected: 08/12/24 09:59 Received: 08/13/24 07:00 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		08/15/24 13:51	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Sample: HS 199 **Lab ID: 70308645002** Collected: 08/12/24 10:01 Received: 08/13/24 07:00 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		08/15/24 13:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Sample: HS 226 **Lab ID: 70308645003** Collected: 08/12/24 09:55 Received: 08/13/24 07:00 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 Preparation Method: EPA 200.8 Pace Analytical Services - Melville							
Lead	**18.0**	ug/L	1.0	1	08/15/24 11:19	08/15/24 17:34	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
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516-370-6000

ANALYTICAL RESULTS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Sample: HS 233 **Lab ID: 70308645004** Collected: 08/12/24 10:08 Received: 08/13/24 07:00 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	**8.0**	ug/L	1.0	1		08/15/24 13:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

QC Batch: 358975 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: 70308645001, 70308645002, 70308645004

METHOD BLANK: 1864631 Matrix: Water
Associated Lab Samples: 70308645001, 70308645002, 70308645004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	08/15/24 13:20	

LABORATORY CONTROL SAMPLE: 1864632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.8	102	85-115	

MATRIX SPIKE SAMPLE: 1864634

Parameter	Units	70308583016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.8	50	47.6	82	70-130	

MATRIX SPIKE SAMPLE: 1864636

Parameter	Units	70308583017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.5	50	47.0	83	70-130	

SAMPLE DUPLICATE: 1864633

Parameter	Units	70308583016 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	6.8	6.8	0	20	

SAMPLE DUPLICATE: 1864635

Parameter	Units	70308583017 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	5.5	5.5	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

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QUALITY CONTROL DATA

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

QC Batch: 359010
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET Drinking Water
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70308645003

METHOD BLANK: 1864786 Matrix: Water
Associated Lab Samples: 70308645003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	08/15/24 17:09	

LABORATORY CONTROL SAMPLE: 1864787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.1	98	85-115	

MATRIX SPIKE SAMPLE: 1864789

Parameter	Units	70308210001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	13.4	50	52.7	79	70-130	

SAMPLE DUPLICATE: 1864788

Parameter	Units	70308210001 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	13.4	11.3	17	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
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QUALIFIERS

Project: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

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: BETHLEHEM HS CSD 8/12
Pace Project No.: 70308645

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70308645003	**HS 226**	EPA 200.8	359010	EPA 200.8	359060
70308645001	**HS 181**	EPA 200.8	358975		
70308645002	**HS 199**	EPA 200.8	358975		
70308645004	**HS 233**	EPA 200.8	358975		

Pace® Location Requested (City/State):
Pace Analytical Long Island NY
575 Broad Hollow Rd, Melville, NY 11747

CHAIN-OF-CUSTODY Analytical Request Document

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

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 70308645

70308645

Company Name:	Intertek-PSI	Contact/Report To:	William Kotas
Street Address:	17 British American Blvd, Latham, NY 12210	Phone #:	(518) 377-9841
		E-Mail:	william.kotas@intertek.com
		Cc E-Mail:	
Customer Project #:	08215496	Invoice To:	PSI Latham Accounts Payable
Project Name:	Bethlehem CSD	Invoice E-Mail:	LathamAR@Intertek.com
Site Collection Info/Facility ID (as applicable):	High School	Purchase Order # (if applicable):	
		Quote #:	CR-BOCES
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET		County / State origin of sample(s):	New York

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other______

Regulatory Program (DW, RCRA, etc.) as applicable: NY Lead in School DW

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other______

Date Results Requested: Standard 10 business day

DW PWSID # or WW Permit # as applicable:

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

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Lori Beyer
AcctNum / Client ID:
Table #:
Profile / Template: 10367
Prelog / Bottle Ord. ID:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected Time	Composite End Date	Composite End Time	Res. CL2	Number & Type of Containers: Plastic	Glass	200.8 Drinking Water (Pb only)	Sample Comment	Preservation non-conformance identified for sample.
HS181	DW	G	8/12/2024	959				1		X		
HS 199	↓	↓	8/12/2024	1001				↓		↓		
HS 226	↓	↓	8/12/2024	955				↓		↓		
HS 233	↓	↓	8/13/2024	1008				↓		↓		

Customer Remarks / Special Conditions / Possible Hazards:
Lead

Collected By:
Printed Name: Richard Paszkiewicz
Signature: [signature]

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1-bx	T1211	-0.1	25.2	25.1

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature] PSI	8/12/24 1500	[signature] PACE	8/12/24 1500
[signature] PACE	8/12/24 1316		
1Svc	8/13 7am	DMS D. LI	8/13 7:00

Tracking Number:

Delivered by: [ ] In- Person [✓] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

ENV-FRM-CORQ-0019_v01_082123 ©

Client: Intertek-PSI

Work ID: HighSchool Bethlem CSD 8

Profile #: 12307

COC Page 17 of

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP35	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC				
1																																				1																																							
2																																				1																																							
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12																																																																													

Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuric clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	1L Ammonium Chloride	BP35	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAcetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials _____

Additional Comments

WO#: 70308645

PM: LAB Due Date: 08/27/24

CLIENT: INTER-LATHAM

DC#_Title: Excel Form Template
Effective Date:

WO#: 70308645
PM: LAB Due Date: 08/27/24
CLIENT: INTER-LATHAM

Client Name: Intertek-PSI Project #

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziplo ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH211 Correction Factor: -0.1 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 25.2 Cooler Temperature Corrected(°C): 25.1 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

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 orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: 8/13/24

				COMMENTS:
Chain of Custody Present:	☐Yes	☐No		1.
Chain of Custody Filled Out:	☐Yes	☐No		2.
Chain of Custody Relinquished:	☐Yes	☐No		3.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No		6.
Rush Turn Around Time Requested	☐Yes	☐No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☐Yes	☐No		8.
Correct Containers Used:	☐Yes	☐No		9.
-Pace Containers Used:	☐Yes	☐No		
Containers Intact:	☐Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☐N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes	☐No		12.
	Matrix:	SL WT	OIL OTHER	

Date and Initials of person checking preservation: 8/13 RDS

All containers needing preservation have been checked.	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # 200823				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☐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: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☐N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul Lead Acetate Strips Lot #	☐Yes	☐No	☐N/A	15. Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☐N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	16.
Trip Blank Present:	☐Yes	☐No	☐N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.