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: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

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







CERTIFICATIONS

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

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



SAMPLE SUMMARY

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70308651001	HFACS	Drinking Water	08/12/24 11:17	08/13/24 07:00
70308651002	HKIT 1	Drinking Water	08/12/24 11:19	08/13/24 07:00
70308651003	HKIT 2	Drinking Water	08/12/24 11:19	08/13/24 07:00
70308651004	HKIT 3	Drinking Water	08/12/24 11:20	08/13/24 07:00



SAMPLE ANALYTE COUNT

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70308651001	HFACS	EPA 200.8	JJS	1
70308651002	HKIT 1	EPA 200.8	JJS	1
70308651003	HKIT 2	EPA 200.8	JJS	1
70308651004	НКІТ 3	EPA 200.8	JJS	1

PACE-MV = Pace Analytical Services - Melville



Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Sample: HFACS Lab ID: 70308651001		Collected: 08/12/2	24 11:17	Received: 08	3/13/24 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	4.2	ug/L	1.0	1		08/15/24 14:07	7439-92-1	



Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Sample: HKIT 1 Lab ID: 70308651002		Collected: 08/12/2	24 11:19	Received: 08	3/13/24 07:00	Matrix: Drinking	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 14:40	7439-92-1	



Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Sample: HKIT 2 Lab ID: 70308651003		Collected: 08/12/2	24 11:19	Received: 08	3/13/24 07:00 I	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 14:45	7439-92-1	



Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Sample: HKIT 3 Lab ID: 70308651004		Collected: 08/12/2	24 11:20	Received: 08	3/13/24 07:00 I	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	6.7	ug/L	1.0	1		08/15/24 14:47	7439-92-1	



QUALITY CONTROL DATA

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

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: 70308651001

METHOD BLANK: 1864631 Matrix: Water

Associated Lab Samples: 70308651001

Blank Reporting
Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 08/15/24 13:20

LABORATORY CONTROL SAMPLE: 1864632

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

MATRIX SPIKE SAMPLE: 1864634

Date: 08/19/2024 05:13 PM

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

MATRIX SPIKE SAMPLE: 1864636

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

SAMPLE DUPLICATE: 1864633

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

4g/L 3.5 3.5 5.5 5

SAMPLE DUPLICATE: 1864635 70308583017 Dup Max

 Parameter
 Units
 Result
 Result
 RPD
 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.



QUALITY CONTROL DATA

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

QC Batch: 358978 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: 70308651002, 70308651003, 70308651004

METHOD BLANK: 1864641 Matrix: Water

Associated Lab Samples: 70308651002, 70308651003, 70308651004

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 08/15/24 14:09

LABORATORY CONTROL SAMPLE: 1864642

Spike LCS LCS % Rec
Parameter Units Conc. Result % Rec Limits Qualifiers

Lead ug/L 50 51.0 102 85-115

MATRIX SPIKE SAMPLE: 1864644

Date: 08/19/2024 05:13 PM

MS % Rec 70308750001 Spike MS Parameter Units Result Conc. Result % Rec Limits Qualifiers <1.0 Lead ug/L 50 42.0 84 70-130

ug/L 110 30 42.0 04 70-130

MATRIX SPIKE SAMPLE: 1864646 70308750002 Spike MS MS

% Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers <1.0 82 Lead ug/L 50 41.0 70-130

SAMPLE DUPLICATE: 1864643

 Parameter
 Units
 70308750001 Result
 Dup Result
 Max Result
 RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>
 20

SAMPLE DUPLICATE: 1864645 70308750002 Dup Max

Parameter Units Result Result RPD RPD Qualifiers

Lead ug/L <1.0 <1.0 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.



QUALIFIERS

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

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: 08/19/2024 05:13 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMAGRAEL ELEM. SCHOOL 8/12

Pace Project No.: 70308651

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70308651001	HFACS	EPA 200.8	358975		
70308651002	HKIT 1	EPA 200.8	358978		
70308651003	HKIT 2	EPA 200.8	358978		
70308651004	HKIT 3	EPA 200.8	358978		

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

WO#: 70308651

	П			
Company Name: Intertek-PSI	eport To:	William Kotas	· · · · · · · · · · · · · · · · · · ·	
Street Address: 17 British American Blvd, Latham, NY 12210	Phone #:	(518) 377-9841		
	E-Mail: william	william.kotas@intertek.com	国文第 70308651	
	Cc E-Mail:			
Customer Project #: 08215496	Invoice To: PSI Lath	PSI Latham Accounts Payable		
Project Name: Bethlehem CSD	Invoice E-Mail: <u>Latham</u>	LathamAR@Intertek.com	Specify Container Size ••	**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL (5) 100ml (6) 40ml vial (7) EnCore (8)
				TerraCore, (9) Other
Site Collection Info/Facility ID (as applicable):	Purchase Order # (if	_1	Identify Container Preservative Type***	Preservative Types: (1) None, (2) HNO3, (3)
H. 1. 10 1			Analysis Dominstad	NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10)
المصاد المسام الهام المام	CR-BOCES	ES	najsanhau siskipiliy	er
Time Zone Collected: [] AK [] PT [] MT [] CT	[X] ET County / State origin of sample(s):	New York		Proj. Mgr.
Data Deliverables:	Regulatory Program (DW, RCRA, etc.) as applicable: NY Lead	in School DW		Client ID:
[] Level Level		INW DWSID H or WWW Dermit H as annifrable.		
	Kush (Pre-approval required):			
ן זיילוטן ז	Date Results Standard 10 business day	Field Filtered (if applicable): [] Yes [] No		
	Requested:	7		o-uo
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soiid (SS), Oil (OU), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk	ound Water (GW), Waste Water (WW), Product (P), Soil			Preiog / Bottle Ord, ID:
Ol observed Samuel	Matrix Camp / Collected	Jo di		
כיישוויפי שמוווטונים	Grab	Date Time CL2 Plastic Glass		Sample Comment
HFACS	F	1	×	
H 657 2	6111 pros/25/18			
HKIT 2	p111 frace 121/8			
HET 7 S	J 8/12/1844 (1130		→	
Customer Remarks / Special Conditions / Possible Hazards: Lead		Collected By: Printed Name: Richard Paszkiewicz	Additional Instructions from Pace*:	
		Signature:	# Coolers: Thermometer ID: Correction Factor (*C)	or (*C): Obs. Temp. (*C) Corrected Temp. (*C)
Relinquished by/Company (Stenature)	130 /24 /50	Percent of Mayor (Signature)	June: 1 CaO	3
Retinquisher by Complete (Signature)	Date/Time: 1/10	Received by/Company: (Signature)	Date/Time:	Delivered by: [] In- Person
Reline und by Company: (Signature)	Official Office of the Control of th	Acceived by/Company: (Signature)	Time:	
ige	34G 3/15 tam			FedEX JUPS JOther

Relinquished by/Company; (Signature)
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/O

ENV-FRM-CORQ-0019_v01_082123 @

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Page:

200 20 BOIN Multiday Project тне BGIH LEDL Water Solid Non-aqueous Liquid OIL dΝ Drinking Water Add SCLOGFD to first sample for field charge NS SPLC webn WGKN Use Point Number Spreadsheet MGEN Nesn Ы VG9T 40mL Na Thio amber vial
DG9A 4mL Ascress seld makes Act vial
DGGT Na Thiosulfate 40mL
DGGT Na Thiosulfate 60mL vial
DGGM MonoClacteric/Na Thio 60mL
AG3U 250mL unpres amber glass
AG3T Na Thiosulfate 250mL bottle
BP18 Na Thiosulfate Amber bottle
AG1T Na Thiosulfate 1, Amber
AG1T Na Thiosulfate 1, Amber
AG1T Na Thiosulfate 1, Amber BP1U 1L unpreserved plastic BP3N* 250mL HN03 plastic BP3C 250mL Sodium Hydroxide AG2U 500mL unpres amber glass BP3U 250mL unpreserved plastic 1948 BP1B NIde ZIde BP3R Can also be a BP4N **TEGE** Bb3C BP2N NE_dEl
 WCDU
 160z Unpreserved Jan

 ZPLC
 Ziblock Bag

 ZPLC
 Ziblock Bag

 BG1H
 11 HOL Clear Glass

 GN
 General

 WP
 Wipe

 WP
 Wipe

 LLHG
 Low Level Hg Bottles

 LLHG
 Low Level Hg Bottles

 BG1N
 1L HNO3 Clear Glass
 BP4N 120mL Coliform Na Thio 202 Unpreserved Jar 402 Unpreserved Jar 802 Unpreserved Jar BP2S **Terracore Kit** DIAS BP2U ō BP3U WG2U WGFU WGKU UPPE NCTO OSDM CEIN Veva | 250mL unpreserved plastic | 250mL unpreserved plastic | 1 Lumpreserved plastic | 125mL HNO3 plastic | 250mL HNO3 250nL Trizma 250nL Ammonium Acelate 250nL NH4SO4·NH4OH 1L NaOH Zn Acelate กรอง 1L HNO3 plastic Na Thiosulfale Amber Bottle working Harnagraed Herrentary GCGGGG 812 ALDA **HI**9∀ TIDA AGSR **TE**Ð∀ VC4E BP3S BP2S ВР3С VC32 AG31U 11Iter ungres amber glass BF AG33A Ammonium Cl 250nL bB bB AG4E 125nL EDA amber glass BF AG4E 125nL EDA amber glass BF AG3T 250nL Na Thio amber glass BF AG3T 250nL Na Thio amber glass BF AG3T 250nL Na Thio amber glass BF AG3T L Ammonium Clinide BF AG4H 1L HCI amber glass BF AG4U 100nL ungres Amber Glass BF AG4U Ammonium Clinide BF AG5U 100nL ungres Amber Glass BF AG4U Ammonium Cl 120nL bottle BF AG5U 100nL ungres Amber Glass BF AG4U Ammonium Cl 120nL bottle BF 40mL Ascorbic-HCi clear vial AG3U 125mL unpres amber glass 40mL Ascorbic-HCi clear vial AG3U 250mL unpres amber glass 40mL HCi clear vial AG2U 500mL unpres amber alexander alexander and AG2U 500mL unpres amber alexander ₹C34 meter BI UIDA Vesn VG3U UÞÐ∀ S690 T990 A6ĐO 40mL Na Thiosulfate vial 40mL Citrate-Na Thiosulfate DC3b 40mL amber vial - TSP Ascorbic/Maleic Acid 40mL Na Thio 60mL Vial DGBA Sulfuire clear vial T65/ S69/ H69/ 069A N69/ VG9U VG9C VG9H VG9S VG9T DG9Y DG9P DG9A DG9S SUSPE COC

Due Date: 08/27/24 MO#:70308651

Sender Initials

CLIENT: INTER-LATHAM PM: LAB

Pace® Analytical Services, LLC

Additional Comments

OCH_Title Excel Form Template					1104	. 7020QGE	1
ffective Date					MOH	:7030865	1
Client Name:				Project #			08/27/24
Sourier: Fed Ex UPS USPS	59	<u> </u>			OLIENT.	INTER-LATHAM	
Courier: 🗋 Fed Ex 🗍 UPS 🖟 USPS	S□ Clier	Cor	mmercia	Pac Other	CLIENT:	TIVILLIA TITTE	
Tracking #:							
Custody Seal on Cooler/Box Preser	nt: □Ye Bubble	s ₽ No Bags □	Seals in Ziplo	tact: ☐ Yes☐ 140 Non€ Other	Temperature Bla Type of Ice: W	ank Present: Yes Ne et Blue None) —
Thermometer Used: THZ() Cooler Temperature(°C): Z\$. Z Temp should be above freezing to 60°C USDA Regulated Soil (H) N/A, water	Cooler	Temper	tor: _ O ature Cor	rected(°C):-5.		cooling process has begun A kits placed in freezer	
Did samples originate in a quaranting	e zone wi	thin the	VA (cneci	(map)? Li reLi	140		N, TX,
Did samples or	ignate fro	m a fore	ign source	e including Hawaii a	and Puerto Rico)? [☐ Yes☐ No	6.100
If Yes to either question, fill ou	t a Regu	ated So	il Checkli	st (ENV-FRM-MEL	V-0076) and includ	de with SCUR/COC paperwarmining contents:	ork.
					COMME	ENTS:	
Chain of Custody Present:	oYes	□No		1,	30		
Chain of Custody Filled Out:	OYes	□No		2.			
Chain of Custody Relinquished:	DY95	□No		3.			
Sampler Name & Signature on COC:		□No	□N/A	4			
Samples Arrived within Hold Time:	□Yee	□No		5.			
Short Hold Time Analysis (<72hr):	Yes	DHO		6.			
Rush Turn Around Time Requeste	d □Yes	DNO		7.2			
Sufficient Volume: (Triple volume	□Yes	□No		8.			
provided for MS/MSD)		N1-		9.			
Correct Containers Used:	o¥es	□No □No		3.			
-Pace Containers Used:	DYes DYes	οNo		10.			
Containers Intact: Filtered volume received for	Yes		DAYA		ediment is visible in th	e dissolved container	
Dissolved tests							
Sample Labels match COC:	QY85	DΝο		12.			10
-Includes date/time/ID/Analysis Matrix	د: SL	WY OIL	OTHER	Data and Initia	ale of parson ch	ecking preservation:	VIII CO
				Date and initia			DIL
All containers needing preservation	Yes	□No	□N/A	13. 🗆 HNO ₃	□ H ₂ \$O₄ □ NaC	OH 🗆 HCI	
have been	res		טואור.				
pH paper Lot # 200623				Sample #			1 '
All containers needing preservation	are tound	to be		#			1
in compliance with method recomme (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfid	endation:	пNо	□N/A				1
NAOH>12 Cyanide)	c, p /c3	B140					1
Exceptions: VOA, Coliform, TOC/DC	C, Oil ar	nd Greas	se.				
DRO/8015 (water)				Initial when completed	d: Lot # of added preservative:	Date/Time preservative added	3:
Per Method, VOA pH is checked aft	er analys	is			preservative.		
Samples checked for dechlorination	: □Yes	пNо	o WA	14.			1
KI starch test strips Lot #			- 1	Positive for Res.	Chlorine? Y N		- 1
Residual chlorine strips Lot #	l - V- a	□No	oN/A	15.	Chlorine: 1 1		
SM 4500 CN samples checked for s	sui 🗆 tes		Light	Positive for Sulfice	de? Y N		
Lead Acetate Strips Lot # Headspace in ALK Bottle (>6mm):	□Yes	□No	AVAD				
Headspace in VOA Vials (>6mm):	□Yes	οNo	DNA	16.			
Trip Blank Present:	□Yes	οNo	ONA	17.			
Trip Blank Custody Seals Present	□Yes	□No	- NA				
			1				
				Field Data Requ	ired? Y /	N	
Client Notification/ Resolution				Pield Data Requ Date/T			
Person Contacted: Comments/ Resolution:				Dater			
Comments/ Resolution							

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