



March 06, 2024

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

RE: Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

#### Dear William Kotas:

Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 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,

Lori A. Beyer lori.beyer@pacelabs.com 516-370-6014

Sou Buyer

Project Manager

Enclosures







#### **CERTIFICATIONS**

Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Pace Analytical Services Long Island

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

Virginia Certification # 460302



## **SAMPLE SUMMARY**

Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70289057001	MHS 302-1	Drinking Water	03/01/24 06:09	03/02/24 08:30
70289057002	MHS 302-2	Drinking Water	03/01/24 06:09	03/02/24 08:30
70289057003	MHS 302-3	Drinking Water	03/01/24 06:09	03/02/24 08:30
70289057004	MHS 68	Drinking Water	03/01/24 06:13	03/02/24 08:30
70289057005	MHS 98	Drinking Water	03/01/24 06:17	03/02/24 08:30



## **SAMPLE ANALYTE COUNT**

Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70289057001	MHS 302-1	EPA 200.8	JJS	1
70289057002	MHS 302-2	EPA 200.8	JJS	1
70289057003	MHS 302-3	EPA 200.8	JJS	1
70289057004	MHS 68	EPA 200.8	JJS	1
70289057005	MHS 98	EPA 200.8	JJS	1

PACE-MV = Pace Analytical Services - Melville



Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Sample: MHS 302-1	Lab ID: 70	289057001	Collected: 03/01/2	24 06:09	Received: 0	03/02/24 08:30	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	thod: EPA 20 al Services -								
Lead	53.2	ug/L	1.0	1		03/05/24 13:16	7439-92-1		



Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Sample: MHS 302-2	Lab ID: 70	289057002	Collected: 03/01/2	24 06:09	Received: 0	03/02/24 08:30	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	00.8 Melville								
Lead	89.1	ug/L	1.0	1		03/05/24 13:2	1 7439-92-1		



Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Sample: MHS 302-3	Lab ID: 70	289057003	Collected: 03/01/2	24 06:09	Received: 0	3/02/24 08:30	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	00.8 Melville								
Lead	10.1	ug/L	1.0	1		03/05/24 13:22	7439-92-1		



Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Date: 03/06/2024 06:58 AM

Sample: MHS 68	Lab ID: 702	89057004	Collected: 03/01/2	24 06:13	Received: 0	03/02/24 08:30	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water  Analytical Method: EPA 200 Pace Analytical Services - M									
Lead	8.0	ug/L	1.0	1		03/05/24 13:24	7439-92-1		



Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Sample: MHS 98	Lab ID: 702	289057005	Collected: 03/01/2	24 06:17	Received: 0	3/02/24 08:30	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water Analytical Method: EPA 20 Pace Analytical Services -									
Lead	3.8	ug/L	1.0	1		03/05/24 13:26	7439-92-1		



#### **QUALITY CONTROL DATA**

Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Lead

Date: 03/06/2024 06:58 AM

QC Batch: 339425 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: 70289057001, 70289057002, 70289057003, 70289057004, 70289057005

METHOD BLANK: 1746285 Matrix: Water

Associated Lab Samples: 70289057001, 70289057002, 70289057003, 70289057004, 70289057005

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L <1.0 1.0 03/05/24 13:12

LABORATORY CONTROL SAMPLE: 1746286

 Parameter
 Units
 Spike Conc.
 LCS Result
 LCS KRec Limits
 Qualifiers

 ug/L
 50
 49.2
 98
 85-115

MATRIX SPIKE SAMPLE: 1746288

 70289022001
 Spike
 MS
 MS
 % Rec

 Parameter
 Units
 Result
 Conc.
 Result
 % Rec
 Limits
 Qualifiers

Lead ug/L 13.5 50 68.9 111 70-130

Lead ug/L <1.0 50 55.7 111 70-130

SAMPLE DUPLICATE: 1746287 70289022001 Dup Max

 SAMPLE DUPLICATE:
 1746289

 70289022003
 Dup
 Max

 Parameter
 Units
 Result
 Result
 RPD
 RPD
 Qualifiers

 Lead
 ug/L
 <1.0</td>
 <1.0</td>
 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: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

#### **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: 03/06/2024 06:58 AM



## **QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: CR-BOCES MECHANICVILLE 3/1

Pace Project No.: 70289057

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70289057001	MHS 302-1	EPA 200.8	339425		
70289057002	MHS 302-2	EPA 200.8	339425		
70289057003	MHS 302-3	EPA 200.8	339425		
70289057004	MHS 68	EPA 200.8	339425		
70289057005	MHS 98	EPA 200.8	339425		

Pace\* Location Requested (City/State) Pace

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 Kotas, William Contact/Report To:

william.kotas@intertek.com

PSI Latham AR

Invoice To: Cc E-Mail:

ustomer Project #:

518-377-9841

Phone #: E-Mail:

178ritish American Blvd, Latham, NY 12110

treet Address:

INTERTEK-PSI LATHAM NY

MO#: 70289057 LAB USE ONLY- Affix Workorder/Login Label Here

righ School ligh School school ligh School	Project Name: CR-Bores Mechanicaille School District					_
D (as applicable):		Invoice E-Mail:		Specify Container Size **	**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4)	T
AK [   PT     MT     CT     ET     County/State origin of sample s : x	Site Collection Info/Facility ID (as applicable):	Pirchace Order # (if			125ml, (5) 100ml, (6) 40ml vial, (7) EnCore, (8) Terracore, (9) Other	
County / State origin of sample(s): New York   Part   Marrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (SW), Sediment (SED), Sludge (SL), Caulk   Composite Start   Constoner Sample ID   Containers   Constoner Sample ID   Containers   Contain	Mechaniculle High School	applicable):		Identify Container Preservative Type***	H3504. (4) HCI (5) NaOH (6) Za Acette (7)	$\overline{}$
Care		Quote #: x		Analysis Requested	NaH5O4, (9) Sod Thiosulfate, (9) Ascorbic Acid, (10)	_
Level III     Level IV   Rush (Pre-approval required):   DW PWISID # or WW Permit # as applicable:     12 Day     3 day     5 day     10 therefore	Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] E		New York		Proj. Mgr:	-
Field Filtered (if applicable): [   Yes		ulatory Program (DW, RCRA, etc.) as applicable:				_
Field Filtered (if applicable): [   Yes     No Analyzis: (Composite End Composite End Time Composite End Time Composite End Time Composite End Time Composite End Composit	VI   0 vo   1				AcctNum / Client ID:	_
Field Filtered (if applicable): [   Yes [   No Analyzia: [ (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor Composite End Containers    Composite End Containers Containers		Rush (Pre-approval required):		ine:		
Field Filtered (if applicable): [ 1 Yes [ 1 No (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor Composite End Res. Combiners Date Time Class Plasste Glass		2 Day [ ]3 day [ ]5 day [ ] Other		27) (	Jouet	
(SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor  Composite End Continuer & Type of Containers Date Time Class			ild Filtered (if applicable); [   Yes [ ] No	alpan	Lab Profile / Template:	aldi
Matrix *         Comp / Grab         Collected (or Composite Start)         Composite End (containers Type or Composite Start)         Res. (containers Type or Containers (containers Containers	• Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Wa (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SI), Caulk	ater (GW), Waste Water (WW), Product (P), Soil/Soild	(SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor	. Surviv	Prelog / Bottle Ord. ID:	_
Grab Oate Time Date Time G12 Plastic Glass			Res. Number & Type of		oitevv	_
THE FIRST GIASS		Date	Time CL2 Containers	· · · · · · · · · · · · · · · · · · ·	Sample Comment	-
	, , , , , , , , ,		THIRE PRINTED BIBSS			_

Number & Type of & Containers	1 0	6:09	6:4	6.04	6 13	21:9			
	Oate	3/1/2027				>			
Matrix * Comp /	5	DW G				7			
Customer Sample ID Ma		MHS 302-1	MHS 302-2	MHS 302 - 3	145 68	MHS 98			

Gustomer Remarks / Special Conditions / Possible Hazards: ead

Received by/Company: (Signature) 0910 3 / 1/24

Subrigiting 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/CD Received by/Company: (Signature) Date/Time:

ENV-FRM-CORQ-0019\_v01\_082123 ©

Page:

Date/Time:

Delivered by: [ ] In- Person Leburier

Correction Factor (\*C):

二十

#Coolers:

Additional Instructions from Pace\*

Printed Name: William A. Kotas (PSI)

Signature:

Collected By:

0110

9/1/24 3/1/24 3/2 [ ] FedEx [ ] UPS [ ] Other

Sender Initials Multiday Project 200 00 Non-aqueous Liquid ط٧ Add SCLOGFD to first sample for field charge NE Matrix SPLC Waler Medin Use Point Number Spreadsheet WEKN WGFU Wesn AG3U 250mL unorea amber criass AG3T Na Thiosulfate 250mL bottle BP1B No Thiosulfate Amber bottle AG1T Na Thiosulfate I Amber AG1A 523.5 Chumlosi Bland DG9A 43thL Accepte pold/maleis Acid vides TSGS DGSM MonoClactetic/Na Thio 60ml DG9Y Citrate/Na Thiosulfate 40mL DG8T Na Thiosulfate 60mL visi 500mL unpres amber glass 250mL Sodium Hydroxide VG9T 140mL Na Thio amber vial 9148 9P1U 1L unpreserved plastic 250mL HNO3 plastic NIGE ZLde 100 Эьзк Can also be a BP4N 983B TEGE 4G2U 3b3C NZGE 9P3N 120mL Coliform Na Thio WGKU Boz Unpreserved Jar WGDU 16oz Unpreserved Jar ZPLC Zlolock Bag NEGE 500ml unpreserved plastic WG2U 2oz Unpreserved Jar 4oz Unpreserved Jar BG1H 1L HCL Clear Glass SZdE 10367 SEGE Terracore Kit UMB General USGE 'n 0598 125mL unpreserved plastic | SPST UÞ98 cean 250mL unpreserved plastic 1L NaOH, Zn Acetate
1L HNO3 plastic
Na Thiosulfate Amber Bottle 250mL Ammonium Acetale 250mL NH4SO4-NH4OH ALDA 
 AG1U
 Hiler unpres amber glass
 BP1U
 IL unpreserved plastic

 AG34
 Ammonium Cl 25gnL bolte
 BP4N
 125mL HNO3 plastic

 AG35
 S50mL H2SO4 amber glass
 BP4N
 255mL HNO3 plastic

 AG4E
 125mL EDA amber glass
 BP2N
 550mL HNO3 plastic

 AG3T
 250mL Ma Thio amber glass
 BP3S
 250mL H2SO4 plastic
 500mL H2SO4 plastic NaOH 250mL bottle HIDY 250mL, Trizma INOCK - DOLCE MACHINITES DOMESTOOD Trak JCSK TEDA. 893C 893T 8935 8938 891Z 391N \*C4E 125mi, unpres amber glass | BP4U 
 40ml, Assorbic-HCI clear vial
 AG3U
 250ml, unpres amber glass
 BP3U

 40mL HCI clear vial
 AG2U
 500ml, unpres amber glass
 BP2U
 Na Sulfite 500mL (blue Cab) BP2S /C32 VC34 Na Triosultate 1L boille 1L HCI amber glass (NH4CI) Urak Yesn VG3U Rien: Intertatham VC4N S690 AGZR AG1T AG1H AG1A 1990 AG4U **V690** Glass 40mL HCI clear vial
A0ml, Sultuine clear vial
40mL Na Thlosulfate A40mL Citrate-Na Thiosulfate A4 0C3b Ammonium CI/CuSO4 40mL Ascorbic/Maleic Acid 40mL 1L Unpres Jar (Con Ed) A690 40mL amber vial - TSP VG9U 40ml unpresidearivial Na Thio 60mL Vial **1690** Boz clear soil iar S69/ NG 2H AG&C /159/ WG90 VGSS DGST DGSY CGSP DG9A DG6T 0.698 0610 History VG9C FIRST

CC4\_Title\_ENV-FRM MELN-0148 v1\_Sample Container Count Melvillo Elfetive Cote 4/10/2020

83

MO#: 70289057

Due Date: 03/15/24 PM: LAB

CLIENT: INTER-LATHAM

Pacico Analytical Survices, U.C.

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High School

Additional Comments

DC#\_Title: ENV-FRM-MELV-0024 v04\_SCUR Effective Date: 10/13/2023 #:7028905 Client Name: Project # Due Date: 03/15/24 CLIENT: INTER-LATHAM Other USPS | Clien | Commercia | Courier: D Fed Ex D UPS D 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 Non Other Type of Ice: Wel Blue Correction Factor: -0.4 Thermometer Used: TH2// Samples on ice, cooling process has begun Cooler Temperature Corrected(°C):/7-2 Date/Time 5035A kits placed in freezer Cooler Temperature(°C): 17.6 Temp should be above freezing to 6000 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)?□ Ye□ No Did samples originate 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: COMMENTS: αNo Chain of Custody Present: DYES 2. Chain of Custody Filled Oul: DYCS οNo - nNo 3. q Yes Chain of Custody Relinquished: пΝο oN/A 4. Sampler Name & Signature on COC: Wes 5. eYes пNo Samples Arrived within Hold Time: PNO 6. Short Hold Time Analysis (<72hr): □Yes aNo 7. Rush Turn Around Time Requested oYes 8. **⊿**Yes пNо Sufficient Volume: (Triple volume provided for MS/MSD) e Yes\_ οNo 9. Correct Containers Used: dYes nNo-Pace Containers Used: 10. **o**Yes □No Containers Intact: DNA 11. Note; if sediment is visible in the dissolved container. oYes □No Filtered volume received for Dissolved lests 12. DΝο Sample Labels match COC: **a**Yes SL WIT OIL OTHER -Includes date/time/ID/Analysis Date and Initials of person checking preservation: All containers needing preservation 13. □ HNO<sub>3</sub> □ H<sub>z</sub>SO<sub>4</sub> □ NaOH οN/A □Yes ΠNο have been Sample

-								
in compliance with method recommen	ndation?	•			5			SI to
(HNO3, H2SO4, HCI, NaOH>9 Sulfide	, pYes	□No .				*	*	341 69
NAOH>12 Cyanide)				*	160		9 6	
Exceptions: VOA, Coliform, TOC/DO	C, Oil ar	nd Grease	•	5				
DRO/8015 (water).				Initial when completed:	Lot # of added		Date/Time preserval	live added:
Per Method, VOA pH is checked afte	r analysi	is		(c)	preservative:			,
Samples checked for dechlorination:	□Yes	υNo	ATMQ	14.				
KI starch test strips Lot #			1					
Residual chlorine strips Lot #				Positive for Res. Ch	llorine? Y	N	*	
SM 4500 CN samples checked for su	ıl aYes	DNο	AVÃ	15:				
Lead Acetate Strips Lot #			1	Positive for Sulfide?	Y	Ν		
Headspace in VOA Vials ( >6mm):	αYes	□No	ďWА	16.				
Trip Blank Present:	□Yes	οNo	DN7A	17			*	
Trip Blank Custody Seals Present	σYes	οNo	DM/A					/
	DATÉ	AND INIT	TALS OF	PERSON COMPLET	TING SECON	D REVI	EW: <u>94 31</u>	2
Client Notification/ Resolution:	3	w 3		Field Data Require	d? Y	/ N	10	•
Person Contacted:	150	i "i	ž.	/ Date/Time	2:			
Comments/ Resolution:		c						
	× 2			- X			26	

PM (Project Manager) review is documented electronically in LIMS.