

October 17, 2024

Maureen Doherty  
NB-Orange-Ulster BOCES  
53 Gibson Road  
Goshen, NY 10924

Project Location: Chester Elementary School  
Project Number: Chester UFSD-Chester Elementary School  
Laboratory Work Order Number: 24I3618

Enclosed are results of analyses for samples received by the laboratory on September 26, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



project manager



315 Fullerton Avenue \* Newburgh, NY 12550 \* TEL. (845) 562-0890

NB-Orange-Ulster BOCES  
53 Gibson Road  
Goshen, NY 10924  
ATTN: Maureen Doherty

REPORT DATE: 10/17/2024

PURCHASE ORDER NUMBER: A25-00001

PROJECT NUMBER: Chester UFSD-Chester Elementary School

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 24I3618

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - Newburgh are found in this report.

PROJECT LOCATION: Chester Elementary School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Chester ES - Nurse's Office Sink	24I3618-01	Drinking Water		EPA 200.8 Rev 5.4	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Pace Analytical Services, LLC - Newburgh for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Felicia Morgan-Nichols  
Project Manager



315 Fullerton Avenue \* Newburgh, NY 12550 \* TEL. (845) 562-0890

Project Location: Chester Elementary School

Sample Description:

Work Order: 2413618

Date Received: 9/26/2024

Field Sample #: Chester ES - Nurse's Office Sink

Sampled: 9/26/2024 06:11

Sample ID: 2413618-01

Sample Matrix: Drinking Water

Metals Analyses (Total)

Analyte	Results	MCL/SMCL		Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
		RL						Prepared	Analyzed	
Lead	13	1.0	15	µg/L	1		EPA 200.8 Rev 5.4	10/10/24	10/15/24 14:36	AR3

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
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*EPA 200.8 Rev 5.4 in Drinking Water*

Lead	NB-CT,NB-NJ,NB-NY
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Pace Analytical Services, LCC operates under the following certifications and accreditations:

Code	Description	Number	Expires
NB-CT	Connecticut Department of Public Health	PH-0823	09/30/2024
NB-NJ	New Jersey DEP	NY015 NELAP	06/30/2024
NB-NY	New York State Department of Health	10142 NELAP	03/31/2025



Sample Condition Upon Receipt Form (SCUR)

Project # 24I3618  
 Client: OU BOXES

Date and Initials of person:  
 Examining contents: \_\_\_\_\_  
 Label: \_\_\_\_\_  
 Deliver to location: \_\_\_\_\_  
 pH: \_\_\_\_\_

Thermometer Used: IRG4 Date: 9/26 Time: 0845 Initials: \_\_\_\_\_

State of Origin: NY

Cooler #1 Temp. °C 21.9 (Visual) 0.2 @ 0.0°C, -0.5 @ 20.0°C (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ICE, cooling process has begun

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

Shipping Method:  First Overnight  Priority Overnight  Standard Overnight  Ground  
 Other \_\_\_\_\_

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Ice: Wet Blue Melted None

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Samples were collected by Pace employee  Yes  No  N/A

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sampler Name and Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Lot #/Trace #: _____ Date: _____ Time: _____
Exceptions: Vials, Microbiology, O&G, Metals		Initials: _____
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Additional Login Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Client notification/ Resolution  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_



December 26, 2024

Maureen Doherty  
Orange-Ulster BOCES  
53 Gibson Road  
Goshen, NY 10924

RE: Project: Chester UFSD - Chester ES  
Pace Project No.: 70326616

Dear Maureen Doherty:

Enclosed are the analytical results for sample(s) received by the laboratory on December 10, 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 - Newburgh

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

Sincerely,

Felicia Morgan-Nichols  
felicia.morgan-nichols@pacelabs.com  
(845)562-0890  
Project Manager

Enclosures

cc: Mikayla Higgins, Orange-Ulster BOCES  
Ashley Kimiecik, Orange-Ulster BOCES  
Halina Redner, Orange-Ulster BOCES



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Chester UFSD - Chester ES

Pace Project No.: 70326616

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**Pace Analytical Services, LLC- Newburgh, NY**

315 Fullerton Avenue, Newburgh, NY 12550

New York Certification #: 10142 Primary Accrediting Body

New Jersey Certification #: NY015

Connecticut Certification #: PH-0823

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## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: Chester UFSD - Chester ES

Pace Project No.: 70326616

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**Method:** EPA 200.8, Rev. 5.4

**Description:** NB 200.8 ICPMS DW No Prep

**Client:** Orange-Ulster BOCES

**Date:** December 26, 2024

**General Information:**

1 sample was analyzed for EPA 200.8, Rev. 5.4 by Pace Analytical Services Newburgh. 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.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

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

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### ANALYTICAL RESULTS

Project: Chester UFSD - Chester ES

Pace Project No.: 70326616

Sample: Nurses Office Sink		Lab ID: 70326616001	Collected: 12/10/24 04:40	Received: 12/10/24 08:38	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>NB 200.8 ICPMS DW No Prep</b>		Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh						
Lead	2.1	ug/L	1.0	1		12/24/24 13:30	7439-92-1	

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QUALITY CONTROL DATA

Project: Chester UFSD - Chester ES

Pace Project No.: 70326616

QC Batch: 376834

Analysis Method: EPA 200.8, Rev. 5.4

QC Batch Method: EPA 200.8, Rev. 5.4

Analysis Description: NB 200.8 ICPMS DW No Prep

Laboratory: Pace Analytical Services - Newburgh

Associated Lab Samples: 70326616001

METHOD BLANK: 1975593

Matrix: Water

Associated Lab Samples: 70326616001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	12/24/24 13:00	

LABORATORY CONTROL SAMPLE: 1975594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.7	101	85-115	

MATRIX SPIKE SAMPLE: 1975596

Parameter	Units	70327855001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	5.6	50	60.6	110	70-130	

MATRIX SPIKE SAMPLE: 1975598

Parameter	Units	70326629005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.1	50	58.1	114	70-130	

SAMPLE DUPLICATE: 1975595

Parameter	Units	70327855001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	5.6	5.6	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.

REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: Chester UFSD - Chester ES

Pace Project No.: 70326616

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### 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: Chester UFSD - Chester ES  
Pace Project No.: 70326616

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70326616001	Nurses Office Sink	EPA 200.8, Rev. 5.4	376834		

### REPORT OF LABORATORY ANALYSIS

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Pace® Location Requested (City/State):  
**Newburgh, NY**

**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company Name: Orange-Ulster BOCES  
 Street Address: 53 Gibson Road, Goshen, NY 10924  
 Contact/Report To: Maureen Doherty  
 Phone #: 845-781-4887  
 E-Mail: Maureen.Doherty@oubores.org  
 Cc E-Mail: Hallina.Redner@oubores.org  
 Customer Project #:   
 Invoice to: Hallina Redner  
 Invoice E-mail: hallina.redner@oubores.org  
 Purchase Order # (if applicable): ~~42409990~~ **A25-00001**  
 Quote #:

Site Collection Info/Facility ID (as applicable): **Cluster UFSD - Cluster ES**  
 Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET  
 Data Deliverables: Regulatory Program (DW, RCDA, etc.) as applicable:  DW PWSID # or WW Permit # as applicable: Reportable [ ] Yes [ ] No  
 [ ] Level II [ ] Level III [ ] Level IV  
 [ ] EQUS  
 [ ] Other:   
 Rush (Pre-approval required):  
 [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other:   
 Date Results Requested:   
 Analysis: Field Filtered (if applicable): [ ] Yes [ ] No  
 \* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SS), Oil (OL), Vapor (VP), Tissue (TS), Brewery (B), Vapor (V), Surface Water (SW), Sediment (SE), Sludge (SL), Cask (CN), Leachate (LL), Biosolid (BS), Other (OT)

County/State origin of sample(s): **Orange County / New York**

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Time	Collected or Composite End Date	Time	# Cont.	Residual Choice	Result	Units
Nurse's office Sink	DW	G			12/10/24	4:40	1			

Additional Instructions from Pace®:   
 Collected By: **Mikayla Higgins**  
 Printed Name: **Mikayla Higgins**  
 Signature: *Mikayla Higgins*

Relinquished by/Company: (Signature) *Mikayla Higgins* Date/Time: 12/10/24, 8:38  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_



Specify Container Size \*\*  
 3  
 Identify Container Preservative Type \*\*\*  
 2  
 Analysis Requested

Container Size: (1) 1L (2) 500mL (3) 250mL (4) 125mL (5) 100mL (6) 40mL (7) 20mL (8) 10mL (9) 50mL (10) Other  
 Preservative Type: (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  
 Prof. Mgr.:   
 ActNum / Client ID:   
 Table #:   
 Profile / Template: **11266**  
 Prod. / Bottle Ord. ID:   
 Sample Comment: **Lead**  
 Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:   
 # Coolers:   
 Thermometer ID:   
 Correction Factor (°C):   
 Obs. Temp (°C):   
 Date/Time: 12/10/24 08:38  
 Date/Time:   
 Date/Time:   
 Date/Time:   
 Tracking Number: **151**  
 Delivered by: [ ] In-Person [ ] Courier  
 [ ] FedEx [ ] UPS [ ] Other  
 Page: 1 of 1

**WO#: 70326616**

PM: FMN Due Date: 12/17/24  
 CLIENT: NB-OU BOCES

Project # \_\_\_\_\_  
 Client: \_\_\_\_\_

Date and Initials of person:  
 Examining contents: \_\_\_\_\_  
 Label: \_\_\_\_\_  
 Deliver to location: \_\_\_\_\_  
 pH: \_\_\_\_\_

Thermometer Used: IRG4 Date: 12/10 Time: 0838 Initials: \_\_\_\_\_

State of Origin: NY

Cooler #1 Temp. °C 13.1 (Visual) 0.2 @ 0.0°C, -0.5 @ 20.0°C (Correction Factor) \_\_\_\_\_ (Actual)  Samples on ice, cooling process has begun

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

Shipping Method:  First Overnight  Priority Overnight  Standard Overnight  Ground  
 Other \_\_\_\_\_

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Ice: Wet Blue Melted None

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Samples were collected by Pace employee  Yes  No  N/A

**Comments:**

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sampler Name and Signature on COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: Vials, Microbiology, O&G, Metals	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Additional Login Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Client notification/ Resolution**

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/Resolution: \_\_\_\_\_