Pace Analytical Services, LLC
315 Fullerton Avenue
Newburgh, NY 12550
(845)562-0890

July 02, 2025

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

RE: Project: Pakanasink ES
Pace Project No.: 70361656

Dear Maureen Doherty:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2025. 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
Juliana Lennon, Orange-Ulster BOCES
Halina Redner, Orange-Ulster BOCES

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CERTIFICATIONS

Project: Pakanasink ES
Pace Project No.: 70361656

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Pakanasink ES
Pace Project No.: 70361656

Method: **EPA 200.8, Rev. 5.4**
Description: NB 200.8 ICPMS DW No Prep
Client: Orange-Ulster BOCES
Date: July 02, 2025

General Information:
9 samples were 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: Pakanasink ES
Pace Project No.: 70361656

Sample: 103 B **Lab ID: 70361656001** Collected: 06/18/25 05:20 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**2.5**	ug/L	1.0	1		07/01/25 11:32	7439-92-1	

Sample: 105 B **Lab ID: 70361656002** Collected: 06/18/25 05:20 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**1.2**	ug/L	1.0	1		07/01/25 11:34	7439-92-1	

Sample: Kitchen Food Prep Sink Left **Lab ID: 70361656003** Collected: 06/18/25 05:16 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	ND	ug/L	1.0	1		07/01/25 11:41	7439-92-1	

Sample: 116/C-2 B **Lab ID: 70361656004** Collected: 06/18/25 05:18 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**3.2**	ug/L	1.0	1		07/01/25 11:44	7439-92-1	

Sample: 118/C-4 CS **Lab ID: 70361656005** Collected: 06/18/25 05:18 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	ND	ug/L	1.0	1		07/01/25 11:46	7439-92-1	

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ANALYTICAL RESULTS

Project: Pakanasink ES
Pace Project No.: 70361656

Sample: 153 B **Lab ID: 70361656006** Collected: 06/18/25 05:11 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**15.2**	ug/L	1.0	1		07/01/25 11:48	7439-92-1	

Sample: 154 B **Lab ID: 70361656007** Collected: 06/18/25 05:12 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**3.6**	ug/L	1.0	1		07/01/25 11:51	7439-92-1	

Sample: 154 CS **Lab ID: 70361656008** Collected: 06/18/25 05:12 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	**1.5**	ug/L	1.0	1		07/01/25 11:53	7439-92-1	

Sample: 161 B **Lab ID: 70361656009** Collected: 06/18/25 05:13 Received: 06/18/25 08:41 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NB 200.8 ICPMS DW No Prep	Analytical Method: EPA 200.8, Rev. 5.4 Pace Analytical Services - Newburgh							
Lead	ND	ug/L	1.0	1		07/01/25 11:55	7439-92-1	

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QUALITY CONTROL DATA

Project: Pakanasink ES
Pace Project No.: 70361656

QC Batch: 406959
QC Batch Method: EPA 200.8, Rev. 5.4
Analysis Method: EPA 200.8, Rev. 5.4
Analysis Description: NB 200.8 ICPMS DW No Prep
Laboratory: Pace Analytical Services - Newburgh
Associated Lab Samples: 70361656001, 70361656002, 70361656003, 70361656004, 70361656005, 70361656006, 70361656007, 70361656008, 70361656009

METHOD BLANK: 2154875 Matrix: Water
Associated Lab Samples: 70361656001, 70361656002, 70361656003, 70361656004, 70361656005, 70361656006, 70361656007, 70361656008, 70361656009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	07/01/25 11:18	

LABORATORY CONTROL SAMPLE: 2154876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.1	96	85-115	

MATRIX SPIKE SAMPLE: 2154878

Parameter	Units	70361513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	50	49.1	98	70-130	

MATRIX SPIKE SAMPLE: 2154880

Parameter	Units	70361659001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	50	50.4	100	70-130	

SAMPLE DUPLICATE: 2154877

Parameter	Units	70361513001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	ND	.25J		

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.

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QUALIFIERS

Project: Pakanasink ES
Pace Project No.: 70361656

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: Pakanasink ES
Pace Project No.: 70361656

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70361656001	**103 B**	EPA 200.8, Rev. 5.4	406959		
70361656002	**105 B**	EPA 200.8, Rev. 5.4	406959		
70361656003	**Kitchen Food Prep Sink Left**	EPA 200.8, Rev. 5.4	406959		
70361656004	**116/C-2 B**	EPA 200.8, Rev. 5.4	406959		
70361656005	**118/C-4 CS**	EPA 200.8, Rev. 5.4	406959		
70361656006	**153 B**	EPA 200.8, Rev. 5.4	406959		
70361656007	**154 B**	EPA 200.8, Rev. 5.4	406959		
70361656008	**154 CS**	EPA 200.8, Rev. 5.4	406959		
70361656009	**161 B**	EPA 200.8, Rev. 5.4	406959		

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WO# : 70361656

70361656

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	Contact/Report To: Maureen Doherty
Street Address: 53 Gibson Road, Goshen, NY 10924	Phone #: 845-781-4887
	E-Mail: Maureen.Doherty@ouboces.org
	Cc E-Mail: Halina.redner@ouboces.org
Customer Project #:	Invoice to: Halina Redner
Project Name: Pine Bush CSD	Invoice E-mail: halina.redner@ouboces.org
Site Collection Info/Facility ID (as applicable): Pakanasink ES	Purchase Order # (if applicable): A24-00300
	Quote #:
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [X] ET	County / State origin of sample(s): Orange County / New York

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

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day Other _____

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

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

Analysis:

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

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 vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) 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: / AcctNum / Client ID: / Table #: / Profile / Template: / Prelog / Bottle Ord. ID:

Preservation non-conformance identified for sample.

	Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Residual Chlorine Result	Residual Chlorine Units	Lead	Sample Comment
1	103 B	DW	G			6/18/2025	5:20	1			X	
2	105 B	DW	G			6/18/2025	5:20	1			X	
3	Kitchen Food Prep Sink Left	DW	G			6/18/2025	5:16	1			X	
4	116/C-2 B	DW	G			6/18/2025	5:18	1			X	
5	118/C-4 CS	DW	G			6/18/2025	5:18	1			X	
6	153 B	DW	G			6/18/2025	5:11	1			X	
7	154 B	DW	G			6/18/2025	5:12	1			X	
8	154 CS	DW	G			6/18/2025	5:12	1			X	
9	161 B	DW	G			6/18/2025	5:13	1			X	

Additional Instructions from Pace® :

Collected By: Printed Name: Ashley Kimiecik Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C): 21.7	Corrected Temp. (°C):	[ ] On Ice: IV

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Tracking Number:
	6/18/25, 8:41	PACE	6/18/25 8:41	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: of

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/

ENV-FRM-CORQ-0019_v02_110123 ©

DC#_Title: ENV-FRM-NEWB-0002 Sample Condition Upon Receipt Form
Effective Date: 7/21/2

WO#: 70361656

PM: FMN Due Date: 07/02/25
CLIENT: NB-OU BOCES

m (SCUR)

Proje

Client: _____

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

Thermometer Used: IRG4 Date: 6/18 Time: 841 Initials: _____

State of Origin: NY

Cooler #1 Temp.°C 21.7 (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	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature on COC	☒ Yes ☐ No ☐ N/A	
Sampler Name and Signature on COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☐ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☐ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Additional Login Comments:

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