



March 28, 2024

Gary Hoskins
TST BOCES
866 Whig Street
Newark Valley, NY 13811

RE: Project: NEWARK VALLEY TRANSPORT BUILD
Pace Project No.: 70288944

Dear Gary Hoskins:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 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,

Matthew T. Nemeth
matthew.nemeth@pacelabs.com
516-370-6042
Project Manager

Enclosures

cc: Michelle Travelli, TST BOCES Newark Valley



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

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

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SAMPLE SUMMARY

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70288944001	NV-182-BF	Drinking Water	02/16/24 07:20	02/28/24 10:10
70288944002	NV-181-DF	Drinking Water	02/16/24 07:20	02/28/24 10:10
70288944003	NV-228-DF	Drinking Water	02/16/24 07:20	02/28/24 10:10
70288944004	NV-183-F	Drinking Water	02/16/24 07:21	02/28/24 10:10
70288944005	NV-229-BF	Drinking Water	02/16/24 07:22	02/28/24 10:10
70288944006	NV-231-DF	Drinking Water	02/16/24 07:22	02/28/24 10:10

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SAMPLE ANALYTE COUNT

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70288944001	NV-182-BF	EPA 200.8	JP2	1
70288944002	NV-181-DF	EPA 200.8	JP2	1
70288944003	NV-228-DF	EPA 200.8	JP2	1
70288944004	NV-183-F	EPA 200.8	JP2	1
70288944005	NV-229-BF	EPA 200.8	JP2	1
70288944006	NV-231-DF	EPA 200.8	JP2	1

PACE-MV = Pace Analytical Services - Melville

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-182-BF		Lab ID: 70288944001	Collected: 02/16/24 07:20	Received: 02/28/24 10:10	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		03/04/24 15:00	7439-92-1	

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-181-DF		Lab ID: 70288944002	Collected: 02/16/24 07:20	Received: 02/28/24 10:10	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		03/04/24 15:02	7439-92-1	

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-228-DF		Lab ID: 70288944003	Collected: 02/16/24 07:20	Received: 02/28/24 10:10	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		03/04/24 15:03	7439-92-1	

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-183-F		Lab ID: 70288944004	Collected: 02/16/24 07:21	Received: 02/28/24 10:10	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		03/04/24 15:08	7439-92-1	

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-229-BF		Lab ID: 70288944005	Collected: 02/16/24 07:22	Received: 02/28/24 10:10	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		03/04/24 15:09	7439-92-1	

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ANALYTICAL RESULTS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Sample: NV-231-DF		Lab ID: 70288944006	Collected: 02/16/24 07:22	Received: 02/28/24 10:10	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		03/04/24 15:11	7439-92-1	

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QUALITY CONTROL DATA

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

QC Batch:	339311	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: 70288944001, 70288944002, 70288944003, 70288944004, 70288944005, 70288944006

METHOD BLANK:	1745512	Matrix:	Water
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Associated Lab Samples: 70288944001, 70288944002, 70288944003, 70288944004, 70288944005, 70288944006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	03/04/24 14:39	

LABORATORY CONTROL SAMPLE: 1745513						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.4	101	85-115	

MATRIX SPIKE SAMPLE: 1745515							
Parameter	Units	70288943020 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	6.6	50	56.3	99	70-130	

MATRIX SPIKE SAMPLE: 1745517							
Parameter	Units	70288943021 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	54.3	107	70-130	

SAMPLE DUPLICATE: 1745514						
Parameter	Units	70288943020 Result	Dup Result	RPD	Max RPD	Qualifiers
Lead	ug/L	6.6	6.5	1	20	

SAMPLE DUPLICATE: 1745516						
Parameter	Units	70288943021 Result	Dup Result	RPD	Max 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.

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QUALIFIERS

Project: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

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: NEWARK VALLEY TRANSPORT BUILD

Pace Project No.: 70288944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70288944001	NV-182-BF	EPA 200.8	339311		
70288944002	NV-181-DF	EPA 200.8	339311		
70288944003	NV-228-DF	EPA 200.8	339311		
70288944004	NV-183-F	EPA 200.8	339311		
70288944005	NV-229-BF	EPA 200.8	339311		
70288944006	NV-231-DF	EPA 200.8	339311		

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Pace
 Pace Analytical Long Island NY
 575 Broad Hollow Rd, Melville, NY 11747

Location Requested (City/State):
 TST BOCES NEWARK VALLEY CSD
 866 Whig Street, Newark Valley, NY 13811

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

WO#: 70288944




Contact/Report To: Gary Hoskins
 Phone #: (607)642-3219
 E-Mail: ghoskins@nvcs.stier.org
 Cc E-Mail:

Invoice To: Michelle Travelli
 Invoice E-Mail: mtavelli@nvcs.stier.org
 Purchase Order # (if applicable):
 Quote #:

County / State origin of sample(s): New York
 Reportable: Yes No

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

Date Results Requested:
 Other

Regulatory Program (DW, RCRA, etc.) as applicable: DW PWSID or WW Permit if as applicable:

Time Zone Collected: AK PT MT CT ET

Data Deliverables:
 Level II Level III Level IV
 EQUIS

Site Collection Info/Facility ID (as applicable):
 Newark Valley CSD New Transportation Building

Identify Container Preservative Type***
 Analysis Requested

Specify Container Size**

Customer Sample ID	Matrix *	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine Results	Units
		Date	Time	Date	Time			
NV-182-BF	DW	Grab		2/16/2024	7:20 AM	1		
NV-181-DF	DW	Grab		2/16/2024	7:20 AM	1		
NV-228-DF	DW	Grab		2/16/2024	7:20 AM	1		
NV-183-F	DW	Grab		2/16/2024	7:21 AM	1		
NV-229-BF	DW	Grab		2/16/2024	7:22 AM	1		
NV-231-DF	DW	Grab		2/16/2024	7:22 AM	1		

Field Filtered (if applicable): Yes No

Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Dill (DL), Wipe (WP), Tissue (TS), Biossary (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CS), Leachate (L), Biosolid (BS), Other (OT)

Preservation non-conformance identified for sample:

Customer Sample ID	Matrix	Sample Comment
NV-182-BF	DW	Water pressure issue; low sample collected.
NV-181-DF	DW	Water pressure issue; low sample collected.
NV-228-DF	DW	Water pressure issue; low sample collected.
NV-183-F	DW	Water pressure issue; low sample collected.
NV-229-BF	DW	Water pressure issue; low sample collected.
NV-231-DF	DW	Water pressure issue; low sample collected.

Additional Instructions from Pace:

Collected By: Stephanie Egan-Engels
Signature: *[Signature]*

Received by/Company (Signature): *[Signature]*
Date/Time: 2/26/2024 13:30

Received by/Company (Signature): *[Signature]*
Date/Time:

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

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

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

Customer Remarks / Special Conditions / Possible Hazards:

Thermometer ID: 1-bx THZ11
Obs. Temp. (°C): 17.6
Correction Factor (°C): -0.4
Corrected Temp. (°C): 17.2
On Ice: N

Tracking Number: 10:10

Delivered by: In-Person Courier

Page: 1 of 1

Client: TSTBOCES Profile #: 10555 Use Point Number Spreadsheet Multiday Project

Work ID: Newark Valley Leads 2/10 of Add SCLOGFD to first sample for field charge

CCC Line Item	Matrix	Material	Container Codes
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WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

IDG	
BP1U	1L unpreserved plastic
BP3N	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG3U	500mL unpres amber glass

* Can also be a BP4N

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	MonoChloride/Na Thio 80mL
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

Glass	Plastic	Misc.
VG9U	40mL unpres clear vial	BP4U 125mL unpreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	BP3U 250mL unpreserved plastic
VG9H	40mL HCl clear vial	BP2U 500mL unpreserved plastic
VG9S	40mL Sulfuric clear vial	BP1U 1L unpreserved plastic
DG9T	40mL Na Thiosulfate vial	BP4N 125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	BP3N 250mL HNO3 plastic
DG9P	40mL amber vial - TSP	BP2N 500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	BP3S 250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	BP2S 500mL H2SO4 plastic
DG9S	Ammonium CitricUSO4 40mL	BP3C NaOH 250mL bottle
CG1U	1L Unpres Jar (Cont Ed)	BP3T 250mL Trizma
WG9O	Boz clear soil jar	BP3S 250mL Ammonium Acetate
WG4O	4oz clear soil jar	BP3R 250mL NH4SO4-NH4OH
		BP1Z 1L NaOH, Zn Acetate
		BP1N 1L HNO3 plastic
		BP1B Na Thiosulfate Amber Bottle

Sender Initials _____

Additional Comments

WO#: 70288944
 PM: MN2 Due Date: 03/08/24
 CLIENT: TST Boces

WO#: 70288944

Client Name:

Project

PM: MN2

Due Date: 03/08/24

Courier: Fed Ex UPS USPS Client Commercial Parcel Other

CLIENT: TST Boces

Tracking #: 7037 1745 9248

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

Thermometer Used: TH211 Correction Factor: -0.4 Samples on ice, cooling process has begun
 Cooler Temperature (°C): 17.0 Cooler Temperature Corrected (°C): 17.2 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 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: ASF 3/1/24

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

Date and Initials of person checking preservation: ASF 3/1/24

All containers needing preservation have been <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>211 821A</u>	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A NAOH > 12 Cyanide)	
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: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #	Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	
SM 4500 CN samples checked for sul <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15: Positive for Sulfide? Y N
Lead Acetate Strips Lot #	
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: pa 3/1/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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