Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

May 24, 2021

Paul Swieton
Rensselaer-Columbia-Greene Counties and BOCES
10 Empire State Blvd.
Fl 2
Castleton On Hudson, NY 12033

RE: Project: PS 14 5/6
Pace Project No.: 70172379

Dear Paul Swieton:

Enclosed are the analytical results for sample(s) received by the laboratory on May 10, 2021. 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,

Nicolette Lovari

Nicolette M. Lovari
nicolette.lovari@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Robert Garland, Troy CIty SD
Tim LeVan, Questar III

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: PS 14 5/6
Pace Project No.: 70172379

Pace Analytical Services Long Island

Virginia Certification # 460302
Delaware Certification # NY10478
Delaware Certification # NY10478
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-01-DW-P-249 **Lab ID: 70172379001** Collected: 05/06/21 05:50 Received: 05/10/21 11:40 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		05/24/21 12:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-01-DW-P-260 **Lab ID: 70172379002** Collected: 05/06/21 05:52 Received: 05/10/21 11:40 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		05/24/21 12:44	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-01-DW-P-263 **Lab ID: 70172379003** Collected: 05/06/21 05:54 Received: 05/10/21 11:40 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		05/24/21 12:45	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-01-DW-P-274 **Lab ID: 70172379004** Collected: 05/06/21 05:56 Received: 05/10/21 11:40 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		05/24/21 12:46	7439-92-1	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-02-CF1-P-279 **Lab ID: 70172379005** Collected: 05/06/21 05:58 Received: 05/10/21 11:40 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		05/24/21 12:48	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: PS 14 5/6
Pace Project No.: 70172379

Sample: PS14-02-DW-P-288 **Lab ID: 70172379006** Collected: 05/06/21 06:01 Received: 05/10/21 11:40 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		05/24/21 12:49	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: PS 14 5/6
Pace Project No.: 70172379

QC Batch: 210130 — 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: 70172379001, 70172379002, 70172379003, 70172379004, 70172379005, 70172379006

METHOD BLANK: 1050177 — Matrix: Water
Associated Lab Samples: 70172379001, 70172379002, 70172379003, 70172379004, 70172379005, 70172379006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	05/24/21 12:30	

LABORATORY CONTROL SAMPLE: 1050178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.9	102	85-115	

MATRIX SPIKE SAMPLE: 1050181

Parameter	Units	70172377001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	59.6	119	70-130	

MATRIX SPIKE SAMPLE: 1050183

Parameter	Units	70172379004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	66.6	133	70-130	M1

SAMPLE DUPLICATE: 1050180

Parameter	Units	70172377001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1050182

Parameter	Units	70172379004 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: PS 14 5/6
Pace Project No.: 70172379

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.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PS 14 5/6
Pace Project No.: 70172379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70172379001	**PS14-01-DW-P-249**	EPA 200.8	210130		
70172379002	**PS14-01-DW-P-260**	EPA 200.8	210130		
70172379003	**PS14-01-DW-P-263**	EPA 200.8	210130		
70172379004	**PS14-01-DW-P-274**	EPA 200.8	210130		
70172379005	**PS14-02-CF1-P-279**	EPA 200.8	210130		
70172379006	**PS14-02-DW-P-288**	EPA 200.8	210130		

POTABLE WATER SAMPLING FOR LEAD CONCENTRATION SAMPLE COLLECTION FORM

Appendix D

CLIENT INFORMANTION

Name:	**Enlarged City School District of Troy**
Address:	**475 First Street Troy NY 12180**
Client Rep:	**Robert Garland**

Date of Sampling:	5/6/2021
Samples Taken By:	Tim LeVan
Samples Taken By:	Dan French

SCHOOL/PROJECT INFORMATION

BLDG NO./NAME:	**PS 14**
BLDG ADDRESS:	**1700 Tibbits Ave. Troy NY 12180**
CONTACT NAME & NUMBERS:	**Robert Garland 518-328-5426**

(1) Yr. Built	(2) Yr 1st Add:	(3) Yr 2nd Add:	(4) Yr 1st Mod:	(5) Yr. 2nd Mod:
1993				

WO# : 70172379

70172379

SAMPLE DATA

Sample Description ID (ID must match container label)				Outlet Information									
Lab Sample #	BOCES Sample #	Location	Outlet Description	Outlet Make & Model	Construct. Date	First Draw	Time of Collection (24hr)	30 Second Flush Draw	Time of Collection (24hr)	Service Connection Draw	Time of Collection (24hr)	Water Main Draw	of Collection (24hr)
249	**PS14-01-DW-P-249**	**Pink cluster**	**Water fountain**			**X**	5:50						
260	**PS14-01-DW-P-260**	**Red cluster**	**Water fountain**			**X**	5:52						
263	**PS14-01-DW-P-263**	**Faculty room**	**Water fountain**			**X**	5:54						
274	**PS14-01-DW-P-274**	**Yellow cluster**	**Water fountain**			**X**	5:56						
279	**PS14-02-CF1-P-279**	**Blue cluster**	**Water fountain**			**X**	5:58						
288	**PS14-02-DW-P-288**	**Faculty room**	**Water fountain**			**X**	6:01						

All containers are pre-cleaned/pre-certified 250ml plastic bottles and will be preserved w/HNO3@ pH by lab

CHAIN OF CUSTODY

Relinquished By:	Received By:	Time:	Date:
Tim LeVan	PACE	8:25	5/6/21
	Constellation	11:40	5/10/21

INSTRUCTIONS TO THE LABORATORY - Analize all samples for lead (Pb)

Lab: PACE Analytical	
Contact:	
Comments: Provide Laboratory Data Report (LDR) and Chain of Custody	

Sample Condition Upon Receipt

Pace Analytical®

WO#: 70172379

PM: NML Due Date: 05/24/21

CLIENT: QUESTAR

Client Name: Enlarged City of Troy CSS Project

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 19.5 Cooler Temperature Corrected(°C): 19.5

Temperature Blank Present: ☐ Yes ☑ No

Type of Ice: Wet Blue (None)

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: CLT 5/10/21

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 orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID, Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # H-C041002				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 0C

CLIENT INFORMANTION

Name:	**Enlarged City School District of Troy**		
Address:	**475 First Street Troy NY 12180**		
Client Rep:	**Bob Garland**		

Date of Sampling: 11/4/2020	**5/6/2021**	
Samples Taken By: Tim LeVar	**Tim LeVan**	
Samples Taken By:	**Dan French**	

SCHOOL/PROJECT INFORMATION

BLDG NO./NAME:	**PS 14**
BLDG ADDRESS:	**1700 Tibbits Ave. Troy NY 12180**
CONTACT NAME & NUMBERS:	**Bob Garland 518-328-5426**

(1) Yr. Built	(2) Yr 1st Add:	(3) Yr 2nd Add:	(4) Yr 1st Mod:	(5) Yr. 2nd Mod:

SAMPLE DATA

Sample Description ID (ID must match container label) — **Outlet Information**

Lab Sample #	BOCES Sample #	Location	Outlet Description	Outlet Make & Model	Construct. Date	First Draw	Lead test Results ug/L from 11/4/2020	Lead test Results ug/L from 5/6/2021	Lead test Results ug/L from	Remediation
282	**PS14-02-CF1-P-282**	**Orange cluster**	**Sink 1**			**X**	**2.6**			
283	**PS14-02-CF2-P-283**	**Orange cluster**	**Sink 2**			**X**	**4.4**			
284	**PS14-02-DW-P-284**	**Orange cluster**	**Water fountain**			**X**	**<1.0**			
285	**PS14-02-BF-P-285**	**Orange girls room**	**Sink**			**X**	**1.7**			
286	**PS14-02-BF-P-286**	**Orange boys room**	**Sink**			**X**	**<1.0**			
287	**PS12-02-CF-P-287**	**Faculty Room**	**Sink**			**X**	**2.5**			
288	**PS14-02-DW-P-288**	**Faculty room**	**Water fountain**			**X**	**Off due to COVID**	**<1.0**		
289	**PS14-02-BF-P-289**	**Mens room**	**Sink**			**X**	**<1.0**			
290	**PS14-02-BF-P-290**	**Womens room**	**Sink**			**X**	**<1.0**			
291	**PS14-02-CF1-P-291**	**Turquoise cluster**	**Sink 1**			**X**	**10.4**			
292	**PS14-02-CF2-P-292**	**Turquoise cluster**	**Sink 2**			**X**	**<1.0**			
293	**PS14-02-DW-P-293**	**Turquoise cluster**	**Water fountain**			**X**	**1.8**			
294	**PS14-02-BF-P-294**	**Turquoise girls room**	**Sink**			**X**	**1.8**			
295	**PS14-02-BF-P-295**	**Turquoise boys room**	**Sink**			**X**	**1.1**			
296	**PS14-02-BF-P-296**	**Special Ed. Room**	**Sink**			**X**	**1.4**			
297	**PS14-02-CF1-P-297**	**Purple cluster**	**Sink 1**			**X**	**1.6**			
298	**PS14-02-CF1-P-298**	**Purple cluster**	**Sink 2**			**X**	**5.2**			
299	**PS14-02-CF1-P-299**	**Purple cluster**	**Water fountain**			**X**	**<1.0**			
300	**PS14-02-CF1-P-300**	**Purple girls room**	**Sink**			**X**	**1.2**			
301	**PS14-02-CF1-P-301**	**Purple boys room**	**Sink**			**X**	**<1.0**			

All containers are pre-cleaned/pre-certified 250ml plastic bottles and will be preserved w/HNO3@ pH by lab

CHAIN OF CUSTODY

Relinquished By:	Received By:	Time:	Date:

INSTRUCTIONS TO THE LABORATORY - Analize all samples for lead (Pb)

Lab: Pace Analytical Contact:	
Comments: Provide Laboratory Data Report (LDR) and Chain of Custody	